



Mackenzie Delta Research Project

Mackenzie Delta Bibliography

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Edited by Mary Jane Jones

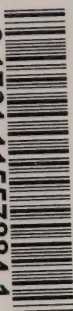
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Department of Indian Affairs and Northern Development, Ottawa

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MACKENZIE DELTA BIBLIOGRAPHY

edited by
Mary Jane Jones

Requests for copies of this publication should be addressed to Chief, Northern Science Research Group, Department of Indian Affairs and Northern Development, Ottawa.

Issued Under the Authority of the
Honourable Jean Chrétien, P.C., M.P., B.A., LL.L.
Minister of Indian Affairs and Northern Development

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ACKNOWLEDGEMENTS

A preliminary draft of this bibliography was sent to a number of experts in different fields, all with considerable experience in the delta, for their comments, suggestions and additions. We are very grateful to these people, who are too numerous to name individually, for their thoughtful and very helpful replies. Responsibility for any errors or omissions still evident in this volume is, of course, entirely our own.

We also wish to thank Mrs. Martha Andrews, who began the compilation of these references, and the Arctic Bibliography for their kind permission to use their abstracts in this bibliography.

FOREWORD

This bibliography was prepared to meet a number of needs pointed up by the Mackenzie Delta Research Project during its activities since 1964. There is a considerable body of information available on the Mackenzie River Delta. Much of the material of academic interest is in the form of articles in professional journals, but there is an appreciable amount of other information to be found only in historical works, travellers' accounts, and magazine articles which are not generally known.

In the past, research in the area has been essentially descriptive and programmatic, and has been largely unco-ordinated. Delta people have been only too aware of the presence among them of research personnel, journalists and other writers, yet all too rarely have delta people had an opportunity to see the results of their activities. Research personnel dealing with specific problem areas have sometimes been unaware of similar work done previously by others, and perhaps more often have been aware of previous work but have been unable to track it down in the myriad of published sources where it may be found. Although professional research personnel are usually aware of the published sources relating to their own academic fields, they are sometimes unaware of parallel research or relevant data produced by representatives of other disciplines.

This bibliography may be of help to those with a professional interest in Western Arctic research, but its function should be much more than primarily academic. It should be of assistance to those who have a general interest in the area and its problems and to those who are concerned to become familiar with what is already known. It should also be a valuable resource for the schools in the delta, particularly for students in the various social studies.

One often hears calls for "further research" before decisions can be taken in social development programmes or administrative activities. It is our conviction that a lot is already known about the Mackenzie Delta. Successive duplication of research activities could probably often be avoided and decisions could be based on information which is already extant if more systematic access to the relevant literature were available. The Mackenzie Delta Bibliography hopes to go some way towards filling these needs.

Derek G. Smith,
Co-ordinator,
Mackenzie Delta Research Project.

PREFACE

This Bibliography is intended chiefly as a guide to interested users, and is not an exhaustive list. Persons wishing to find more general sources of information on the north, or to pursue specific topical interests in other parts of the north, should consult the Arctic Bibliography.

Regional bibliographies present certain difficulties in compilation. The region must be defined, and the relevance of that definition tested on the existing body of literature. The various writers with their diverse interests may not have the same region in mind as the bibliographer, and it is impossible to be completely consistent in the selection of titles.

Regions are sometimes like snowstorms — there is no mistaking their presence, but their boundaries are less evident. The traveller passing through the storm sees its fury begin to abate, after a while there are only snowflurries and finally he is aware that the snow is no longer falling. Who can tell exactly where it ended?

The physiographic extent of the present delta is easily recognized. Even a wall map of Canada shows the Mackenzie River terminating in a maze of channels and islands, and it is commonly agreed that the delta consists of all that area lying between the East channel on one side and the Husky and West channels on the other. To the northeast lies the pleistocene delta formed thousands of years ago — Richards Island and some of the smaller ones such as Kendall, Garry, and Pelly, and the entire peninsula north and east of the area between Tunnunuk and the Eskimo Lakes.

For centuries, even millennia, life has ebbed and pulsed through this region, uncontained by the hills and mountains on either side. The roots of the delta people extend over a vast part of the continent and even overseas. To-day the delta does not exist in isolation. Its towns and people serve a wide region; the western Arctic, the northern Yukon, even the lower Mackenzie River. It is the terminus of a transportation system whose beginnings lie in central Alberta.

Because of these factors it was felt that the criteria for inclusion of bibliographic entries would have to differ according to the subject. The core area is the modern physiographic unit described above, including the towns of Inuvik, Aklavik, and Reindeer Station. In addition to this, Fort McPherson and Arctic Red River and their immediate environs have also been included, on the grounds that historically and presently they have intimate kinship, trade and administrative links with other parts of the delta proper. The east flank of the Richardson Mountains, the Caribou Hills, the Yukon coast, Herschel Island, Richards Island and the smaller out-islands have also been included, as the economy of the delta has traditionally depended on the resources of these areas in addition to its own. In particular the Yukon coast and Herschel Island have been of profound historical importance to the delta.

Within the above areas, works on any subject, be it rocks, insects, people, caribou or ancient artifacts have been included. Works dealing with phenomena in the physical sciences outside this region are not found in this bibliography. In the biological field, entries have been included on the reindeer herd and related topics, although the reindeer range is mainly outside the defined area. On the human side, it was felt that material on the Peel Plateau should be included, as this area has traditionally been important to the Indian people of the delta. Contributions to the geology of the Plateau on the other hand have not been included. All items on the Tetlit Kutchin have been listed, but other Kutchin tribes, including the Vanta Kutchin, have been excluded. It was also decided that material on Tuktoyaktuk, Banks Island, Baillie Island and the Anderson River should not be included, as those areas have been the home of a community distinct from (although undeniably associated with) that of the delta.

There are many books and articles on the north as a whole which devote several paragraphs or pages to the delta and its people. In some of these, the authors have merely summarized other more direct observations, and contribute nothing new to knowledge or understanding of the delta. Such books are not included here. In others, the mention of the delta, although brief, may include material of considerable interest not to be found elsewhere, and these are referred to in this bibliography.

Almost all of the works cited are in English. There are a few articles and books on the region in French, chiefly by missionaries. A small number of foreign language items have been listed, because even though most contain no information which is not more easily obtained in English, they give an indication of how people from other lands see the delta.

No reference to maps is given in the bibliography. Many of the volumes cited of course include maps of various types. Information on current large scale maps and air photographs of the region can be obtained from the following sources:

Topographic Maps

Map Distribution Office,
Surveys and Mapping Branch,
Dept. Energy, Mines and Resources,
615 Booth Street,
Ottawa, Ont.

Geological Maps

Geological Survey of Canada,
Dept. Energy, Mines and Resources,
601 Booth Street,
Ottawa, Ont.

Hydrographic Maps

Marine Chart and Publication Sales,
Canadian Hydrographic Service,
Dept. Energy, Mines and Resources,
615 Booth Street,
Ottawa, Ont.

Air Photographs

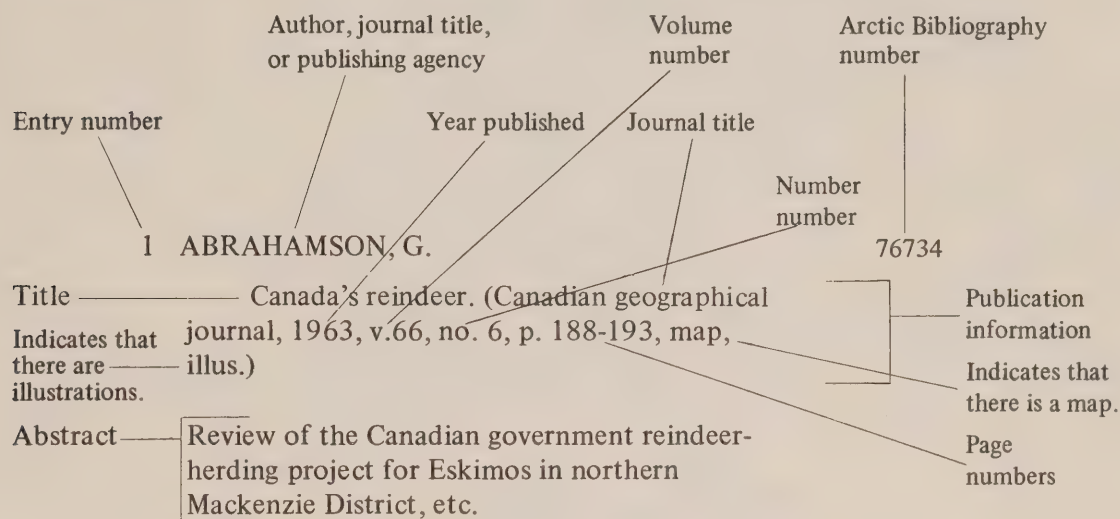
National Air Photographic Library,
Dept. Energy, Mines and Resources,
615 Booth Street,
Ottawa, Ont.

Peter J. Usher,
Northern Science Research Group.

GUIDE TO THE USER

Entries are listed alphabetically by author, or, if anonymous, by journal title or publishing agency (e.g., Arctic Circular; Canada. Department of the Interior). The entries are numbered consecutively, and this entry number appears to the left of the author's name. The Arctic Bibliography number, if any, is entered at the right opposite the author's name. Title, publication information, and abstract follow.

Sample entry:

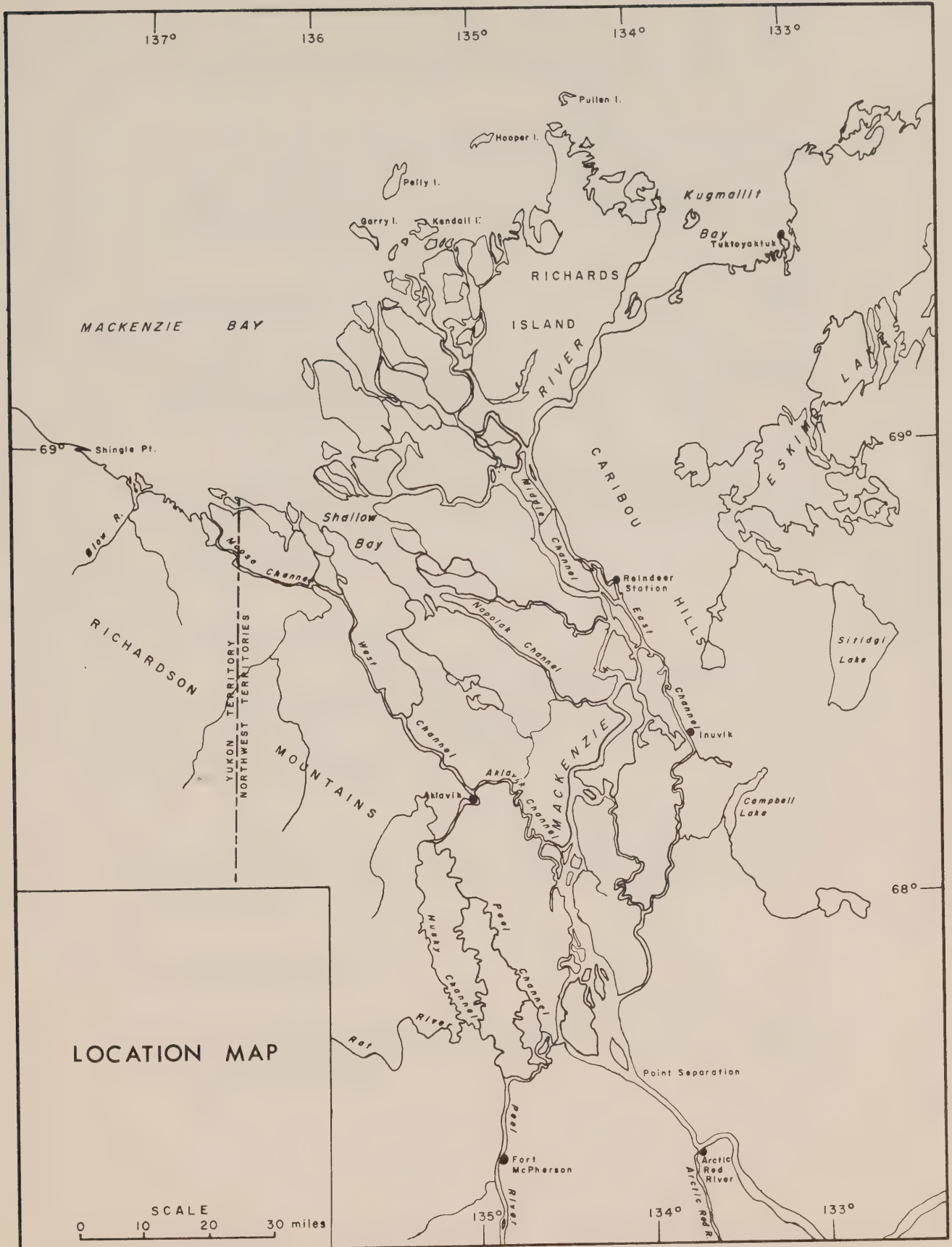


The index is arranged by subject. Numbers following subject listings refer to the entry or entries which contain information pertaining to that subject. If an entry deals with more than one subject, it can be found under all pertinent subject listings.

List of abbreviations:

v.	—	volume
no.	—	number
p.	—	page, pages
illus.	—	illustrated, illustrations
refs.	—	references
incl.	—	includes, including
pt.	—	part
n.d.	—	no date
numb.	—	numbered
l.	—	leaves
fold.	—	folding
mimeo.	—	mimeographed
diagr.	—	diagram(s)
ed.	—	editor
mem.	—	memoir
rept.	—	report

MACKENZIE DELTA



1 ABRAHAMSON, G. 76734

Canada's reindeer. (Canadian geographical journal, 1963, v. 66, no. 6, p. 188-193, map, illus.)

Review of the Canadian Government reindeer-herding project for Eskimos in northern Mackenzie District. Outlines the movement of the reindeer and their herders throughout the year. Although the country is suitable for reindeer, and the meat is in demand, herding does not appeal to the Eskimo.

2 ABRAHAMSON, G. 76735

Tuktoyaktuk — Cape Parry area economic survey. Ottawa, Department of Northern Affairs and National Resources, Industrial Div. 1963. 109 p. Maps, tables, graphs, illus. 24 refs.

Report on the physical and human setting and the economy of this area of the northern Mackenzie District. Physical geography, past and present settlement, Eskimo populations, the reindeer herd in the Mackenzie Delta, and many other aspects of life are described with pertinent statistics.

3 ABRAHAMSSON, KURT V.

Arctic environmental changes. (Investigation and interpretation of environmental changes during the transition from winter to summer condition in a part of Arctic North America). Arctic Institute of North America, Montreal, November 1966. (Research Paper No. 39) 79 p., illus., charts and graphs.

Includes general description of the climate, physiography, permafrost, snow-cover and ice break-up characteristics, etc., of the area around the mouth of the Mackenzie River and along the shores of the Beaufort Sea.

4 AKLAVIK JOURNAL. 43537

Aklavik, N.W.T. Published at the Roman Catholic Mission by Father Brown, O.M.I. November 1955 — in progress. Published monthly (unnumbered).

News sheets (8-10 p.) with local information on people and events, schools, construction, plans for new townsite, health, weather, the fur trade, social events, R.C.M.P., vital statistics, etc.; also news of the Canadian Arctic in general, happenings on the DEW Line, N.W.T. Council decisions.

5 **ALASKA. UNIVERSITY.**

Alaska native arts and crafts. Potential for expansion. Final report to Bureau of Indian Affairs, U.S. Department of the Interior, July 1964. "Canadian Eskimo Fine Crafts", p. 100-108.

Discusses the activities and problems of the Eskimo fur garment industry, and the Aklavik Fur Garment Project, in particular. Although competition from similarly designed mass-produced items is a problem, the intention is to maintain the high quality of the native crafts and to resist the temptation to expand and undertake mass production. The project has been successful in training women to be fully qualified fur garment workers, and as a source of local income.

6 **ALBRIGHT, W.D.** 206

Gardens of the Mackenzie. (Geographical review, Jan. 1933, v. 23, p. 1-22, illus., sketch map)

Observations made by the author on a visit in 1930 to the experimental substations conducted by the Catholic Missions along the river, to report upon extending experimental work, and to make an agricultural reconnaissance. Includes a section on gardens on the banks of the Mackenzie from Wrigley to the delta.

7 **ALLEN, A.R., and A.G. PENTLAND.** 56467

Exploration for oil and gas in the Canadian Arctic. (Western miner and oil review, Apr. 1959, v. 32, no. 4, p. 116-23, illus., maps) 31 refs.

Reviews activities in the arctic sedimentary basins. Areas under active exploration in the Mackenzie River basin and other areas, and company concerned, are shown (map, 1 in.: 60 mi.).

ALLEN, R.P. See #410.

8 **ANDERSON, JAMES.**

Census of the population of Mackenzie's River District, June 1, 1858, from the report of James Anderson, Esq., Chief Factor. (In: Hind, H.Y. Explorations in the interior of the Labrador Peninsula . . . London, Longman, Green Longman, Roberts, and Green, 1863. v.2, Appendix no. V, p. 260-261)

A census of the tribes of the district: married, adults, children, male and female.

9 **ANDERSON, R.M.** 457

Range of the moose extending northward. (Canadian field naturalist, Feb. 1924, v. 38, p. 27-29)

Notes on reports of moose from various localities of Northwest Territories, especially the Mackenzie River region.

10 **ARCHIBALD, E.S.** 635

Agricultural lands in the Canadian Northwest. (Canadian geographical journal, July 1944, v. 29, no. 1, p. 40-51 (incl. 3 p. of illus.)

Results of a study of soils, climate and agricultural experimentation in northwestern Canada, including Aklavik.

11 **ARCTIC CIRCULAR.** 49356

Inuvik. (Its: 1958, v. 11, no. 2, p. 29-30)

Notes official proclamation, July 18, 1958, of Inuvik as name of the town built to replace Aklavik as a centre for the Mackenzie Delta district.

12 **ARCTIC CIRCULAR.**

Inuvik Research Laboratory (Its: 1968, v. 18, no. 3, p. 46-47)

Brief report on the projects and activities of the laboratory at Inuvik, which provides logistical and technical aid, equipment, field camps, and laboratory space free of charge to scientific investigators.

13 ARCTIC CIRCULAR.

New communications systems in the Western Arctic: Construction of telephone pole line down the Mackenzie River. (Its: 1962, v. 15, no. 4, p. 61-62)

Report of the construction of a 1,020 mile telephone pole line down the Mackenzie River from Hay River to Inuvik. It will provide simultaneous long-distance telephone, teletype, telex, air operational, and weather communications to Fort Simpson, Wrigley, Fort Norman, Norman Wells, Fort Good Hope and Inuvik.

14 ARMY QUARTERLY AND DEFENCE JOURNAL.

A north Canadian adventure. (Its: 1963, v. 68, p. 73-84)

Story of "The Mad Trapper of Rat River", Albert Johnson, taken from the report of S.M. Neary, Warrant Officer in charge of the R.C. Signals Radio Station in Aklavik at the time.

15 BAIRD, I. 63222

Inuvik, place of man. (Beaver, Autumn 1960. Outfit 291, p. 16-23, illus.)

Describes this community, planned to replace Aklavik (its site difficulties reviewed) as administrative centre for the Canadian Western Arctic. Solutions to problems caused by permafrost are outlined.

16 BANFIELD, A.W.F. 20442

Notes on the mammals of the Mackenzie District, Northwest Territories. (Arctic, Sept. 1951, v. 4, no. 2, p. 113-21, illus., map)

Contains result of observations on distribution of mammals made in the course of other field investigations during 1946-49, for the Canadian Wildlife Service, by trapping, canoe trips and low-level flights.

BARBEAU, C.M. See #51.

17 BARRY, P.S.

Utopia in the Arctic. (Edge 5, Fall 1966, p. 1-11)

22 **BERTON, PIERRE**

The mysterious north. Toronto, McClelland and Stewart Ltd., 1956. 345 p., illus.

General description of the Canadian North, the land, its history, its people and legends, including the Mackenzie Delta.

23 **BETHUNE, W.C., and others.** **1508**

Canada's Western northland; its history, resources, population and administration. Canada. Department of Mines and Resources. Ottawa, King's Printer, 1937. 162 p., illus., tables, 7 sketch maps.

Includes sections on government and administration, geography, transportation and communication, climate, population, commerce and industry, conservation of game, fauna, and geology, which contain information on the Mackenzie Delta.

24 **BISSETT, DON.**

The lower Mackenzie region: an area economic survey. Canada. Department of Indian Affairs and Northern Development, Industrial Division. Ottawa, 1967. 520 p. biblio., maps, tables.

An assessment of the economic situation and resource base of the Mackenzie Delta and the area immediately surrounding it. The present economy was found to be unsatisfactory in terms of productivity, and the author suggests "a program of integrated resource use and the establishment of marketing systems" as requirements for improving the situation.

25 **BLACK, W.A.** **70231**

Fur trapping in the Mackenzie River delta. (Geographical bulletin, Nov. 1961, no. 16, p. 62-85, illus., maps, graphs, tables) Refs.

Discusses the decline of this major industry since 1952, a decline associated with falling fur prices, reduced use of local resources of fish and wood, and lower living standards.

- 35 **BOYD, WILLIAM L., and JOSEPHINE W.**

Microbiological studies of aquatic habitats of the area of Inuvik, N.W.T. (Arctic, v. 20, no. 1, March 1967, p. 27-41)

Report on chemical and microbiological studies on lakes, ponds, and the Mackenzie River near Inuvik.

- 36 **BOYD, WILLIAM L., and JOSEPHINE W.**

Water supply and sewage disposal developments in the far north. (Journal American Water Works Association, v. 57, no. 7, July 1965, p. 858-868, illus.)

Reviews recent developments in water supply and sewage disposal in the north, including Inuvik.

- 37 **BRANT, C.S., and C.W. HOBART.**

Sociocultural conditions and consequences of native education in the Arctic: a cross-national comparison. (Paper presented at the annual meeting of the American Anthropological Association, Denver, Colorado, Nov. 1965)

Analysis and comparison of the educational systems used in Greenland and Canada's North, based in part on the authors' study of schools and hostels in the Mackenzie Delta.

See also: revised and expanded version: Hobart, C.W., and C.S. Brant. Eskimo education, Danish and Canadian: a comparison. See #185.

BRANT, C.S. See #185.

- 38 **BREDIN, T.F.** 77668

"Whale Island" and the Mackenzie Delta: charted errors and unmapped discoveries, 1789 to 1850. (Arctic, v. 15, no. 1, p. 51-65, maps) 8 refs.

Presents evidence that this island in Mackenzie Bay, on which Alexander Mackenzie camped in 1789, is the Garry Island on which Franklin camped in 1825.

Popular account of author's duties and travels, 1902-1943, as bishop in Yukon Territory and Mackenzie District. Development of Catholic missions is recounted, natives are characterized.

Field notes from an intensive study of all possible townsites for the new town of Aklavik in the Mackenzie Delta. Contains photographs and maps.

The river and delta are ice-bound nearly eight months a year, with freeze-up and break-up approximately six weeks each. Mean daily January air temperature is -24°C on the delta. Ice conditions are reported for 15 April, and 29 May – 11 June in the delta channels.

Contains description of soils investigation in 1953 at Aklavik and of the investigation of several areas on both sides on the delta in 1954 as part of the Aklavik relocation survey. Drilling and sampling methods are described; also soil and permafrost conditions at several of the sites.

BROWN, R.J.E. See #43, 212, 214, 215, 234, 235, 345, 346.

- 43 BROWN, W.G., G.H. JOHNSTON, and R.J.E. BROWN.

Comparison of observed and calculated ground temperatures with permafrost distribution under a northern lake. (Canadian geotechnical journal, v. 1, no. 3, July 1964, p. 147-54)

From a few ground temperature measurements around a small shallow lake near Inuvik, it was possible to estimate the thermal regime under and about the lake.

- 44 BROWN, W.L. 44159

The ant Leptothorax muscorum (Nylander) in North America. (Entomological news, Feb. 1955, v. 66, no. 2, p. 43-50) 7 refs.

Contains synonymy and data on distribution of this holarctic boreo-alpine ant, recorded from Umiat in northern Alaska, Reindeer Depot in the Mackenzie Delta and at Kidluit Bya on Richards Island.

- 45 BROWN, W.L. 20957

A few ants from the Mackenzie River delta. (Entomological news, April 1949, v. 60, p. 99)

Notice of four species collected by Dr. Marie Hammer in 1948.

BRYANT, O. See #236.

- 46 BURWASH, L.T. 2548

Across arctic Canada, 1925-26. (Geographical journal, Dec. 1929, v. 74, p. 553-68, sketch map)

Account of a trip on Hudson's Bay Co. supply ship from the Mackenzie Delta to Hudson Bay. Includes remarks on harbours, ice conditions, Eskimos, game, and weather.

- 47 BURWASH, L.T. 2743

Canada's Western Arctic. Report on investigations in 1925-26, 1928-29, and 1930. Canada. Dept. of the Interior, Northwest Territories and Yukon Branch. Ottawa, King's Printer, 1931. 116 p.

Account of investigations from the Mackenzie Delta to King William Island and Hudson Bay, on the Eskimos, wild life, natural resources, climate, magnetic conditions near the magnetic pole, etc.

- 48 BURWASH, L.T.

Report of exploration and investigation along Canada's arctic coast line from the delta of the Mackenzie River to Hudson Bay, 1925-26. Canada. Dept. of the Interior, N.W.T. and Yukon Branch. n.d., 142 p., maps, photographs.

Includes brief general descriptions of the Mackenzie Delta and Baillie Island.

- 49 CAMERON, A.D. 2657

The new North; being some account of a woman's journey through Canada to the Arctic. New York and London, D. Appleton & Co., 1910. xix, 398 p. front., illus. (incl. ports.) map.

Description of the country, travel conditions and the people encountered by this journalist during her trip down the Mackenzie River and back. Includes historical notes, and comment also on the region south of Mackenzie District.

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| 50 | CAMERON, JOHN. | 2669 |
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Osteology of Western and Central Eskimos. Including a special report upon the dentition, by S.G. Ritchie and J. Stanley Bagnall. Ottawa, King's Printer, 1923. 79 p., 9 plates, tables, diagrs. (Canadian Arctic Expedition, 1913-18. Report. v. 12: The Copper Eskimos, Pt. C)

Includes information on skulls and teeth from Baillie Island, the Mackenzie Delta, and Barter Island, Alaska. One of the few studies of osteology and dentition of the delta area.

- 51 CAMSELL, CHARLES, and C.M. BARBEAU. 2699

Loucheux myths. (Journal of American folklore, 1915, v. 28, p. 249-57)

English texts of 13 tales collected near the Mackenzie River delta in 1905.

- 52 CAMSELL, CHARLES, and W. MALCOLM. 2700

The Mackenzie River basin. Ottawa, King's Printer, 1919. 1 p.1., ii, 154 p. incl. illus., 14 plates, fold. map (in pocket). (Canada. Geological Survey. Memoir 108, Geological series no. 92)

Classic summary of the region, its history, bibliography and general character; general geology; economic geology.

- 53 CANADA. BOARD OF TRANSPORT COMMISSIONERS. 2702

Economic report on the Mackenzie River district transportation system. Ottawa, 1947. 2 v. (2 p., 1., 28 number. 1., appendix 1 1., 13 fold. tables) Mimeo.

Describes water and highway transportation systems, and contains traffic statistics for 1946, on points of departure, destinations, amounts and classes of items transported. Includes information on transportation and shipping to and from the Mackenzie Delta.

- 54 CANADA. DEPT. OF THE INTERIOR. 2732

The great Mackenzie basin. Reports of the select committees of the Senate, sessions 1887 and 1888. A summary of the reports of the "Schultz Committees of the Senate (1877-88) and of the evidence heard before said Committees bearing upon the natural resources of that portion of the Canadian Northwest which still remains unexplored." Ottawa, King's Printer, 1908. 1 p. 1., 80 p., 15 plates (incl. 2 maps), 4 fold maps. Edited by E.J. Chambers, and published under direction of R.E. Young, Supt. of Railway Lands.

Digest of evidence on the area north of the Saskatchewan watershed, and lying between the Rocky Mountains and Hudson Bay - agriculture, forestry, fisheries, game and furs, minerals, climate, settlements, and communication.

- 55 CANADA. DEPT. OF THE INTERIOR. 2735

Report of the Superintendent of Forestry on a trip down the Mackenzie and up the Yukon Rivers in the year 1906. Ottawa, Government Printing Bureau, 1907. 26 p., 4 plates, fold. map. Extract from the department's annual report, 1907, part IX, by E. Stewart.

- 60 CANADA. EXPERIMENTAL FARMS SERVICE. 2773

Summary of reports from vegetable growers or co-operators in the Northwest who have received vegetable seeds from the Division of Horticulture for trial by W. Ferguson. Ottawa, 1945. 3 1. Mimeo.

Garden reports from Yukon Territory and Mackenzie River valley, including Arctic Red River and Fort McPherson.

- 61 CANADA. HYDROGRAPHIC SERVICE. 50089

Great Slave Lake and Mackenzie River pilot. First edition. Ottawa, Queen's Printer, 1958. xix, 85 p. 2 fold. maps, tables. Prepared by E.J. Cooper.

Contains introductory notes on charts and navigation in general, lights and buoyage, signal systems and distress, urgency, and safety signaling procedures; distances; meteorological tables for Aklavik and other stations. Directions for Mackenzie River cover Great Slave Lake to Fort Simpson, to Fort Norman, to Arctic Red River to Mackenzie and Kugmallit bays, including a description of the delta.

- 62 CANADA. HYDROGRAPHIC SERVICE. 70568

Pilot of Arctic Canada, volume III, first edition. Ottawa, Queen's Printer, 1961. x, 370 p. illus., tables, index, map fold, in pocket. Comp. by T.L. Jones. Issued by Canadian Hydrographic Service and the Surveys and Mapping Branch, Dept. of Mines and Technical Surveys.

Deals with the Canadian Western Arctic: coasts and adjacent sea areas whose seaward approaches are normally from the west by way of Bering Strait or from the Mackenzie River.

- 63 CANADA. HYDROGRAPHIC AND MAP SERVICE. 2785

Mackenzie River pilot (preliminary edition) 1946. Ottawa, 1946. p. 1, 24 numb. 1. map. Mimeo.

Contains sailing directions for the river from Great Slave Lake to Mackenzie Bay, describing (in brief) the shores, lights, buoys, depths, populated places, river mouths, islands, landings, ice conditions and distances.

- 64 CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. 2802

Canada's reindeer. Ottawa, 1940. p. 1., 14 p. illus., sketch map. Process printed.

Contains history of the reindeer experiment in the Mackenzie Delta region, description of the Reindeer Station, development of reindeer industry and husbandry.

- 65 CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. 2803

Canada's reindeer herd. Ottawa, Northwest Territories administration, 1938. 9 p. illus. (incl. map)

History of the development of the Canadian government herd, in Mackenzie Delta region.

- 66 CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES. 2804

Canada's reindeer herds. [Ottawa, 1946] 2 l. Mimeo.

Summary of the activities of the Canadian Government to establish reindeer herding as an industry for the natives, from the Royal Commission's report, 1922 through 1946.

- 67 CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES 2805

Canada's reindeer industry. [Ottawa, 1948] 3 l. Mimeo.

Review of the year's work on the Mackenzie River range.

- 68 CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES 2806

The Mackenzie Delta reindeer grazing reserve, 1947. Ottawa, 1948. p. 1., 8 numb. 1. Mimeo.

Description of the Mackenzie Delta and its vegetation, discussion of the seasonal ranges and their condition, since reindeer grazing began in 1935, with notes on the population of the area.

69 CANADA. NORTHWEST TERRITORIES AND YUKON SERVICES 2809

Reindeer in Canada. [Ottawa, 1949] 4 1. Mimeo.

Record of the year's achievements and mention of establishment of a herd under Eskimo management, in the Mackenzie River range.

70 CANADIAN AVIATION. 28435

Bush flying still vital activity; changes character in Northwest. (Its: v. 21, Nov. 1948, p. 36-37, 88 illus.)

Includes descriptive and statistical data on operating air lines in Yukon Territory and Mackenzie District, freight rates to Aklavik, etc.

71 CANADIAN PETROLEUM.

Truck road to the Arctic. (Its: Dec. 1965, v. 6, no. 12, p. 31-33)

Describes the construction and improvement of this road which goes between Fort Providence and Inuvik. The road has facilitated and made more flexible the exploration program of a petroleum company in the area.

72 CANADIAN WEEKLY BULLETIN. 33936

Aklavik has own radio. (Its: May 16, 1947, v. 2, no. 27, p. 5)

The most northerly radio station in North America, CHAK, at Aklavik, is noted: it provides entertainment, news and weather reports, etc.

73 CANADIAN WEEKLY BULLETIN. 50123

News notes. (Its: Ottawa, 1958, v. 13, no. 1-53)

Includes note on Inuvik, new site of Aklavik, its planned facilities (no. 30, p. 6).

74 CANADIAN WEEKLY BULLETIN. 57269

News notes. (Its: Ottawa, 1959, v. 14, no. 1-52)

Current news releases on: Administration: townsite at Inuvik; five new radio stations, with a 1,000 watt transmitter at Inuvik. Eskimos and Indians: Eskimos from Fort Chimo, Aklavik, and Rankin Inlet at the Eskimo Affairs Committee meeting, May 1959, mainly on the changing life of this people.

75 CANADIAN WEEKLY BULLETIN. 70604

News notes. (Its: Ottawa, 1961, v. 16, no. 1-52)

Includes current news releases on: Inuvik General Hospital, 120 beds; Prime Minister's speech at opening of the town of Inuvik, July 21, 1961 (no. 11, p. 5; no. 31, p. 1-2); telephone facilities at Inuvik (no. 2, p. 1-3).

76 CANADIAN WEEKLY BULLETIN. 70605

News notes. (Its: Ottawa, 1962, v. 17, no. 1-52)

Includes current news releases on: Fish-processing plant installed at Aklavik.

77 CANADIAN WEEKLY BULLETIN. 33993

To move Aklavik. (Its: Dec. 11, 1953, v. 9, no. 6, p. 1-2)

Plan for relocation of Aklavik is announced; it is to be rebuilt in a location safe from erosion of the Mackenzie River and from sinking through the melting permafrost, with conditions permitting proper sanitation and water supply.

78 CARR, F.S. 28461

New arctic Coleoptera. (Canadian entomologist, Aug. 1932, v. 64, p. 191-92)

Contains descriptions of two new beetles collected by O. Bryant, 1929-30: one, Phyllodecta aklaviki, new species from Aklavik.

79 CARY, M. 2925

On the diurnal Lepidoptera of the Athabaska and Mackenzie region, British America. (U.S. National Museum. Proceedings, 1906, pub. 1907, v. 31, p. 425-57)

Report contains annotated list of localities, a review of previous work on butterflies of the region, and a list of 53 species and varieties collected (including two new species) with notes on the specimens, references to the literature, etc. Several species were found in the area of the Mackenzie Delta.

80 CHICAGO ACADEMY OF SCIENCES. 3109

Robert Kennicott. (Its: Transactions, 1869. v. 1, pt. 2, p. 133-226, port.)

Memorial containing extensive excerpts from Kennicott's journal of his first northern expedition 1859-1862 under auspices of the Smithsonian Institution: travels to the lower Mackenzie, up the Peel River, over the mountains into Russian America, and down the Porcupine River to the Hudson's Bay Co. post, Fort Yukon, where he wintered 1860-61; sojourns at Fort McPherson till the spring of 1862.

81 CHIPMAN, K.G., and J.R. COX. 3119

Geographical notes on the Arctic coast of Canada. [Ottawa, King's Printer, 1924] 49 p. incl. 7 plates. 2 fold. maps. (Canadian Arctic Expedition, 1913-18. Report, v. 11: Geology and Geography, Pt. B)

Description of the Arctic Coast, particularly in the region of the Mackenzie Delta, the Firth and Coppermine Rivers, and the harbours; notes on dog transportation, ice conditions; appendix of geographical positions and Eskimo place names.

82 CLAIRMONT, D.H. 78025

Deviance among Indians and Eskimos in Aklavik, N.W.T. Ottawa, 1963. ix, 84 p. map, tables. (Canada. Northern Co-ordination and Research Centre, NCRC 63-9.) 26 refs.

A comparative study of the effects of acculturation pressure on the behaviour pattern of settlement Eskimos, settlement Indians, and bush Eskimos. Demography, economy, family organization, inter-ethnic relations, and other factors are discussed.

83 CLAIRMONT, D.H. 70761

Notes on the drinking behaviour of the Eskimos and Indians in the Aklavik area. Ottawa, Sept. 1962. 13 p. tables. (Canada. Dept. of

Northern Affairs and National Resources. Northern Co-ordination and Research Centre, 62-4.)

Summarizes a report investigating social adjustment problems; drinking is prevalent. The community attitude toward drinking, the law-enforcement policy of the RCMP, and the relationship between crime and alcohol consumption are discussed.

84

CLARKE, C.H.D.

3198

Notes on the status and distribution of certain mammals and birds in the Mackenzie River and western arctic area in 1942 and 1943. (Canadian field naturalist, May-June 1944, v. 58, p. 97-103)

Notes on bears, foxes, marten, fish, mink, wolf, lynx, beaver, muskrat, porcupine, deer, moose, caribou, muskox, whales, walrus, and seal; also records on 24 birds.

85

CODY, W.J.

Plants of the Mackenzie River Delta and reindeer grazing preserve. Plant Research Institute, Dept. of Agriculture, Ottawa, 1965. 56 p.

Outlines briefly the physical geography and previous collectors of plants of the area. Short discussion of grazing and over-grazing. Gives an annotated list of species to be found in the area.

86

COHEN, RONALD.

70777

An anthropological survey of communities in the Mackenzie-Slave Lake region of Canada. Ottawa, June 1962. 119 p. tables, maps. (Canada. Dept. of Northern Affairs and National Resources. Northern Co-ordination and Research Centre, 62-3.) 13 refs.

The white and non-white population and settlement patterns, and the economy, social organization, and acculturation process of the Indians and Metis are considered in 5 communities, including Fort McPherson. The socio-economic relations between whites and non-whites at urban centres including Aklavik — Inuvik (most integrated of all) are sketched.

87 COHEN, RONALD.

Modernism and the hinterland: the Canadian example. (*International journal of comparative sociology*, v. 7, no. 1, March 1966, p. 52-75, map)

Based on studies of three northern communities: Snowdrift, Fort Good Hope, and Fort McPherson, the author concludes that "Given present levels of technological development in the modern industrial society, non-productive regions whose resources are not underdeveloped, but rather non-existent like that of the Arctic must eventually become dependent regions," and that in order to raise living standards incomes must be heavily subsidized, or the population must be moved elsewhere.

88 COOK, JOHN A. 3391

Pursuing the whale; a quarter-century of whaling in the Arctic. Boston & New York, Houghton Mifflin Co., 1926. 344 p. front., 15 plates, ports.

Narrative of whaling for bowhead and sperm whales in the Bering, Chukchi and Beaufort Seas, with information on handling of the catch.

89 COOKE, W.W. 3402

Bird migration in the Mackenzie Valley. (*Auk*, Oct. 1915, v. 32, no. 4, p. 442-59, 5 sketch maps)

Discussion of three principal routes to the valley and of the species of birds which use them.

90 COOPER, P.F., Jr.

Applications of modern technology in an Arctic environment. (*Polar record*, v. 14, no. 89, May 1968, p. 141-163)

Based on the Mackenzie Delta, this paper discusses "some of the requirements technology must meet in an Arctic environment, how it enters into the daily life of people living there, and what possibilities there are of providing its benefits more cheaply."

91 COOPER, P.F., Jr.

A comparison of hovercraft trials in northern Canada. Canada. Dept. of Indian Affairs and Northern Development. Ottawa, Oct. 1968. 14 p. sketch map, refs. (Technical Notes — 2)

Summary of problems of operating hovercraft in northern Canada, based on trials at Churchill, Manitoba and in the Mackenzie Delta.

92 COOPER, P.F., Jr.

Engineering notes on two utilidors: a report on the Frobisher Bay utilidor system and the proposed new Inuvik utilidor. Northern Science Research Group, Dept. of Indian Affairs and Northern Development, Ottawa, July 1968. 38 p. (Technical Notes — 1)

“This report summarizes observations made during the first year of operation of the experimental low-cost utilidor system at Frobisher Bay, N.W.T. . . . The proposed new low-cost utilidor for Inuvik is also described and compared with the Frobisher Bay system.” (From author’s abstract).

93 COOPER, P.F., Jr., and FLIGHT LIEUT. J.W. STORR, RCAF.

Hovercraft trials in the Mackenzie River delta, 1966. (Polar record, v. 13, no. 85, Jan. 1967, p. 433-437, illus.)

A report on the performance of an SR-N5 hovercraft in trials held at Tuktoyaktuk, just east of the Mackenzie Delta. Although the craft’s performance was generally satisfactory, certain problems such as the need for a skirt material which will remain flexible in extremely low temperatures, and its high fuel consumption, remain to be solved before its potential usefulness in Arctic transport can be assessed.

94 COOPER, P.F., Jr.

The Mackenzie Delta — technology. Canada. Dept. of Indian Affairs and Northern Development, Northern Co-ordination and Research Centre, Ottawa, 1967. 69 p. (Mackenzie Delta Research Project, MDRP-2)

“A study of ways in which modern technology could improve the standard of living of the native inhabitants of the Mackenzie Delta” (From author’s abstract)

95 COPLAND, DUDLEY.

Livingstone of the Arctic. Ottawa, privately published, 1967. 183 p.

Biography of Leslie Livingstone, Senior Medical Officer in charge of medical services in the Northwest Territories at Aklavik for several years.

COPELAND, R.J. See #201.

96 COPP, S.S., C.B. CRAWFORD, and J.W. GRAINGE. 44458

Protection of utilities against permafrost in northern Canada. (American Water Works Association. Journal, Sept. 1956, v. 48, no. 9, p. 1155-68, diagrs., table)

System at Yellowknife is described in detail. Systems of Aklavik and other places are also briefly described.

97 COWAN, I. McT. 21296

A new Microtus from the western Arctic of Canada. (Journal of mammalogy, Aug. 1951, vol. 32, p. 353-354)

Description of Microtus pennsylvanicus arcticus, a microtine rodent taken from Richards Island, Mackenzie Delta (69° 31'N. 133° 49'W.) in July, 1947.

98 COWAN, I. McT. 21297

Waterfowl conditions on the Mackenzie Delta 1947. (Murrelet, May-Aug. 1948, v. 29, p. 21-26)

Counts of waterfowl in June-August 1947 show only about half as many as in 1934. Some field notes on 17 species, description of the delta as a habitat, and discussion of the decline in waterfowl are presented.

COWAN, I. McT. See #230.

COX, J.R. See #81.

- 99 **CRAIG, B.F., and J.G. FYLES.** 70844
- Pleistocene geology of arctic Canada. (In: International Symposium on Arctic Geology. Proceedings, 1961, v. 1, p. 403-420, maps, table) 33 refs.
- Preliminary outline of Pleistocene history of this region. Inter-glacial deposits are widely distributed in the Mackenzie Delta.
- CRAWFORD, C.B. See #96.
- 100 **CROW'S NEST.** 34274
- North of sixty-eight; new barracks block houses sailors in Aklavik. (Its: Nov. 1953, v. 6, no. 1, p. 20)
- Brief description of the R.C.N. station at Aklavik and the new barracks block which houses a gallery, mess deck, and recreational area.
- 101 **DATER, H.M.** 78155
- Impressions of the Arctic. (U.S. Antarctic Projects Officer. Bulletin, 1963, v. 5, no. 3, p. 8-13, illus.)
- Describes a ten-day, 8300-mile survey of research activities and opportunities at five stations including Inuvik in the central and western North American Arctic. The relative accessibility of much of the Arctic, by telephone, radio, aircraft, ship, rail and highway, is discussed, and administrative and logistic advantages of this accessibility are stressed.
- 102 **DAVIES, R.A.** 28672
- The great Mackenzie in word and photograph. Toronto, Ryerson Press, 1947. 139 p. illus.
- Contains many photographs by G. Zuckerman and brief text describing the Mackenzie River, the settlement and post-World War II problems and opportunities.
- 103 **DAWSON, C.A.** 3723
- The new North-West, Arctic survey 6. (Canadian journal of economics and political science, Nov. 1945, v. 11, p. 578-600)

Reprinted (with 2 maps) in: Dawson, C.A., ed., *The new North-West*, 1947, pt. 11, p. 283-311.

Discusses potentialities for settlement, incl. Mackenzie Basin.

- 104 DAWSON, C.A., ed. 3724

The new North-West. Toronto, University of Toronto Press, 1947. x, 341 p., illus., 20 plates, 37 sketch maps.

The results of a survey in 1944, of Northwest Territories, and (to a lesser extent) Yukon Territory, sponsored by the Canadian Social Science Research Council. Twelve papers are presented. Those on Mackenzie Delta area are under author's names elsewhere in this bibliography.

- 105 DAY, J.H., and H.M. RICE.

The characteristics of some permafrost soils in the Mackenzie Valley, N.W.T. (Arctic, Dec. 1964, v. 17, no. 4, p. 223-236)

Describes soils in three different localities each with a different type of vegetation, the effect of permafrost and vegetation on soil development, and the morphological, chemical, physical, and mineralogical characteristics of several soil profiles.

- 106 DEASE, PETER W., and THOMAS SIMPSON. 3750

An account of the recent arctic discoveries by Messrs. Dease and T. Simpson. (Royal Geographical Society. Journal, 1838. v. 8, p. 213-25)

Contains notes on the Eskimos, natural history, ice conditions, and nature of the coast from the Mackenzie Delta to Point Barrow, observed during the summer of 1837.

- 107 DICKENS, H.B. 71024

Work of the Division of Building Research in northern Canada. (Arctic circular, Dec. 1961, v. 14, no. 2, p. 28-35)

Describes work of Permafrost Section of this National Research Council of Canada agency since 1950. Construction and performance of facilities in continuous permafrost were observed at Inuvik.

Deals with the Canadian mainland above the treeline, 19 major islands and island groups, the island waters, and the central Arctic Basin. For each (as relevant), exploration, settlement, topography, drainage, and coastline are described and illustrated. Coastal configuration and weather are outlined as pertinent for fliers.

- 114 DUSTAN, A.G. 4245

A trip into the Mackenzie Basin. (Agricultural Institute review, Jan, 1947, v. 2, p. 12-17)

Account of an air trip in July 1946, from Edmonton to Aklavik, visiting various settlements along the Mackenzie River. Includes brief, general, and informative notes on the waterways, people, settlements, dogs, climate, and gardens and farms.

- 115 DUTILLY, A.A. 4248

A list of insects of the Mackenzie River Basin. (Canadian field naturalist, Mar.-Apr. 1946, v. 60, p. 35-44)

Based on collections made by the author during botanical collecting trips, Chipewyan to Aklavik, 1934 and 1940. A list with localities of 128 species (also 102 undetermined).

- 116 DYMOND, J.R. 4273

Pacific salmon in the Arctic Ocean. (Pacific Science Congress. 6th, 1939. Proceedings, 1940. v. 3, p. 435)

Includes information on two species of salmon in the Mackenzie Delta.

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| 117 | EDERER, B.F. | 34519 |
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Through Alaska's back door. New York, Vantage Press, 1954. 162 p. illus., map on endpapers.

Popular account of a 3,400 mi. canoe trip in summer 1939 by the author and a companion. They travelled down the Athabaska, Slave, and Mackenzie Rivers to the Arctic Ocean and, westward through Alaska and the Yukon.

118 EDWARDS, ELLEN L.

Ethnohistory of the Mackenzie Valley from Providence to Aklavik. M.A. Thesis, Dept. of Sociology, New York University, 1952. 131 p.

“...an attempt to describe explicitly and systematically the pre-European culture and cultural changes among the Mackenzie Valley Athapaskans.” Contains chapters on background (climate, early history, etc.), aboriginal culture, fur trade, and contemporary culture.

119 ELLIS, D.V.

71246

Observation on the distribution and ecology of some arctic fish. (Arctic, Sept. 1962, v. 15, no. 3, p. 179-189, map, diagram) 19 refs.

Reports on work during 1953-1955, mostly in the Coppermine River and Mackenzie Delta. 27 species are listed, with notes on their distribution, ecology, etc.

120 ELLIS, J.B., S.W. WRIGHT, and C. AASEN.

A component to system construct for settlement planning. (Ekistics, Dec. 1967, v. 24, no. 124, p. 55-59, illus.)

Abstract of a paper presented at the Fourth National Conference on Engineering Design, Dartmouth College, July 1967. Outlines a method for deriving a suitable physical plan without preconceived notions of “best solutions.” The study area used in setting up the methodology was the Mackenzie Delta area.

121 ERVIN, A.M.

New northern townsmen in Inuvik. Canada. Dept. of Indian Affairs and Northern Development, Northern Science Research Group, 1968. 25 p. (Mackenzie Delta Research Project, MDRP-5)

Assesses “the degree of success enjoyed by native people in adapting to the new urban environment of Inuvik . . .” A new social grouping (“Northerner”), not based on ethnicity, has emerged in response to a feeling of being dominated by southerners. Analyzes various factors which hinder adaptation of “Northerners” to the Inuvik environment.

- 122 **EVANS, A.R.** 4741
- Meat; a tale of the reindeer trek (1929-1935). London, Hurst & Blackett, Ltd., [1935]. 288 p. 8 plates, sketch map.
- Journalist's story of the 1800 mile drive of 3,000 reindeer from Buckland Bay, Kotzebue Sound across Alaska and the Yukon to the Mackenzie Delta region.
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- 123 **FAINBERG, L.A.**
- The contemporary situation of the Eskimos (1940-1960) and the problem of their future in the works of American and Canadian ethnographers. (Soviet anthropology and archeology, Summer 1965, v. 4, no. 1, p. 27-45)
- Analysis of the economic and acculturation problems of the Eskimo in Canada and Alaska, and how the U.S. and Canadian governments are dealing with these problems. The author summarizes the proposed solutions of various officials and students of the North, and concludes that no satisfactory solution will be possible under a capitalistic system. Contains some references to the Mackenzie Delta.
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- 124 **FAIRFIELD, ROBERT C.**
- New towns in the far north. (Journal of Canadian studies, May 1967, p. 18-26)
- Discussion of new settlements in the North, including a detailed description of Inuvik.
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- FINDLAY, B.** See #144.
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- 125 **FINNIE, O.S.** 21809
- Canada's land of the midnight sun. (Natural history, July-Aug. 1928, v. 28, no. 4, p. 353-66, illus., map)
- General notes on the Mackenzie River Valley and the Great Slave Lake region, and Indians and Eskimos, settlements, and the Northwest Territories administration.

- 126 FINNIE, O.S. 21810
- Reindeer for the Canadian Eskimos. (Natural history, July-Aug. 1931, v. 31, p. 409-416, illus.)
- Discussion of the project then underway to drive reindeer from Alaska to the Mackenzie River delta; the Eskimo economy of the 20th century, and need for the reindeer industry in Canada's Northwest Territories.
- 127 FINNIE, RICHARD. 4986
- Canada moves north. New York, Macmillan Co., 1942. 227 p.
- Account of the Northwest Territories in the 1940's, geography, fur trade, administration, transportation, communication, the native peoples, etc.
- 128 FINNIE, RICHARD. 4991
- Lure of the North. Philadelphia, David McKay Co., [c1940]. 227 p.
- Describes the people, Eskimos and whites, and their way of life in the area between Herschel and King William Islands, in the 1930's.
- 129 FINNIE, RICHARD. 4994
- A route to Alaska through the Northwest Territories. (Geographical review, July 1942, v. 32, p. 403-416)
- Notes on the Mackenzie as an emergency supply route to Alaska. Brief notes on reindeer herding and gardening at Aklavik.
- 130 FISHER, H.D. 50904
- Arctic investigations by the Fisheries Research Board of Canada, 1956-57. (Arctic, 1957, v. 10, no. 4, p. 244-45) 6 refs.
- Includes notes on studies and surveys of fish stocks at Coppermine, the Mackenzie Delta region and up the river from Aklavik to Fort Norman.

- 131 **FISHING NEWS INTERNATIONAL.** 78696
- Mackenzie Delta fish processing pilot plant. (Its: 1961, v. 1, no. 1, p. 111-12, illus.)
- Describes the Dept. of Northern Affairs' plant near Aklavik for processing of local fish and marine mammals: equipment used and products.
- 132 **FLEMING, ARCHIBALD L.**
- Archibald the Arctic. New York, Appleton – Century – Crofts, 1956. 399 p., plates.
- Autobiography of the first Anglican Bishop of the Arctic. Descriptions of travels in the North, including Aklavik and the Mackenzie Delta.
- 133 **FLEMING, ARCHIBALD L.** 5065
- Twilight. [Toronto, Church House, 1941?] 15 p. illus.
- Account of the bishop's tour of the Canadian Western Arctic, visiting Church of England in Canada missions in the Mackenzie valley and along the arctic coast.
- 134 **FLYGER, VAGN.**
- Hunters of white whales. (Beaver, Winter 1965, Outfit 296, p. 32-37, illus.)
- Description of whaling in the Mackenzie Delta.
- 135 **FORESTAL, FORESTRY AND ENGINEERING, LTD.**
- Study of logging and milling operation, Aklavik, Northwest Territories. Ottawa, 1965. (Canada. Dept. of Northern Affairs and National Resources).
- Contains a description of present operations, a general description of the area (location, topography, weather, etc.), historical background, organization, and appendices on projected cost, etc. The conclusion was that it is possible to develop an installation which will yield a profit. Several recommendations are made.

136

FOUNDATION OF CANADA ENGINEERING CORP. LTD.

Report to Dept. of Public Works of Canada concerning site investigation for Aklavik, N.W.T. Toronto, Sept. 1955. 18 p., graphs, photographs, 2 maps.

Report on site investigation in summer of 1955. Headings include: site and geology, soil conditions, pile tests, plate bearing tests, borrow materials, concrete aggregate, foundations, conclusions and recommendations.

137

FRANKLIN, SIR JOHN.

5198

Narrative of a second expedition to the shores of the polar sea, in the years 1825, 1826, and 1827, by John Franklin; including an account of the progress of a detachment to the eastward, by John Richardson. London, J. Murray, 1828. xxiv, 320, clvii, [1] p., 1 l. front., 31 plates, 6 fold. maps.

Record of an expedition overland in northwestern Canada to the Mackenzie Delta, thence to explore the unknown northern coast: the travels of Franklin to the mouth of the Mackenzie and westward in summer and fall 1826, across the delta and along the arctic coast to Return Point, Alaska and return; Dr. Richardson's exploration eastward along the coast to the mouth of the Coppermine River, etc.

138

FRASER, J. KEITH.

44959

Physiographic notes on features in the Mackenzie Delta area. (Canadian geographer, 1956, no. 8, p. 18-23, 7 illus.) Ref.

Describes knobby hills and ridges formed by slide debris (or glacial deposits); silt cover on a remnant snowbank; and three pingo-like features, all observed at the foot of Black Mt. 20 mi. south of Aklavik, 1954. (Abstract of this article in: Canadian Geographer, no. 7. 1956, p. 20.)

139

FREEMAN, LEWIS R.

5258

The nearing North. New York, Dodd, Mead & Co., [c1928]. 385 p.

Description of author's trips on the Slave, Mackenzie, Nelson, and other rivers. Includes short descriptions of Arctic Red River, Fort McPherson and Aklavik.

- 140 **FRENCH, C.A., and R.G. MADILL.** 5268

Magnetic results, 1927-1937. (Canada. Dominion Observatory, Ottawa. Publications, 1940. v. 11, p. 259-326, incl. 54 p. of tables)

Includes results from several stations for the dates indicated, including; Arctic Red river, 1923, 1931.

- 141 **FRIED, J.**

Settlement types and community organization in northern Canada. (Arctic, June 1963, v. 16, no. 2, p. 93-100, map)

Description of seven types of northern settlements and a discussion of the criteria used for each type. All the settlements have emerged since World War II as a result of the Canadian program of northern development. Includes descriptions of social life in these settlements and suggestions for further research. Inuvik and Tuktoyaktuk are among settlements cited.

- 142 **FULLERTON, A.** 21990

Drifting harvests of far North rivers. (Forest and outdoors, 1945, v. 41, p. 97-98, illus.)

Contains sections on the origin of driftwood of the Mackenzie River system, its metamorphosis en route, and its use in the far North; forests of the North and their exploitation, especially in the Mackenzie River country (sawmills, markets).

FYLES, J.G. See #99.

- 143 **GABRIELSE, H.** 51033

Geological reconnaissance in the Northern Richardson Mountains, Yukon and Northwest Territories. (Geological Survey of Canada, 1957, Paper 56-6. 11 p.)

Deals with the northernmost Yukon and adjacent Northwest Territories, mainly west of the Mackenzie River. Outlines climate, vegetation, and wildlife. Describes chief physical features, general stratigraphy, etc.

- 144 GAJDA, R.T., P.H. HILL, and B. FINDLAY. 71550
- Terrain and site analysis of Fort McPherson, N.W.T. Ottawa, 1962. 19 p. maps incl. 1 fold. (Canada. Dept. of Mines and Technical Surveys. Geographical Branch) Typescript.
- Analyzes this settlement site: geology, landforms, surface materials, drainage, permafrost, and weather conditions are characterized, as are the water supply, sewage and garbage disposal, sanitation and aircraft landing facilities.
- 145 GARNER, SIR S. 71595
- Impressions of the North. (North, May-Aug. 1961, v. 8, no. 3, p. 1-6; no. 4, p. 5-10, illus., map)
- High Commissioner in Canada reports a tour of Mackenzie District in July 1960, visiting Inuvik, Tuktoyaktuk, etc. Development prospects and problems are considered.
- 146 GATES, REGINALD R. 5565
- Blood groups of Canadian Indians and Eskimos. (American journal of physical anthropology, 1929, v. 12, p. 475-85)
- Results of tests on members of four Athapaskan tribes in the Mackenzie River basin, and on Eskimos in the Mackenzie Delta region.
- 147 GERSTER, G. 78939
- Inuvik, citte sul ghiaccio (Vie del mondo, 1961, v. 23, no. 11, p. 1059-1071, illus.) In Italian. Title tr: Inuvik, a city on ice.
- Photosketch of this new settlement in the Mackenzie Delta: its construction, heating and sanitation, etc., and its ten-grade boarding school. Superficial and fundamental acculturative processes of the Eskimo are discussed.
- 148 GIDDINGS, J.L. 40009
- Mackenzie River delta chronology. (Tree-ring bulletin, Apr. 1947, v. 13, no. 4, p. 26-29, graph) 2 refs.

Stands of white spruce (Picea glauca) found in the delta between 67°43' -68° 25' N, include trees more than 500 yrs. old, whereas south of Fort Good Hope (66°15'N.) trees over 200 yrs. old are exceptional. Tree growth shows little relation to precipitation but marked agreement to mean July temperature.

149 GILBERT, CHARLES H.

Notes on fishes from the basin of the Mackenzie River in British America. U.S. Dept. of Commerce. Bureau of Fisheries. Bulletin for 1894. v. 13, no. 4, p. 26-29, graph) 2 refs.

Contains descriptions of one specimen of Coregonus kennicotti Milner and one specimen of Stenodus mackenzii Richardson from the Mackenzie Delta.

150 GILLHAM, C.E. 5757

Raw North. New York, A.S. Barnes & Co., [1947]. xvi, p. 11., 275 p. illus.

Informal description of places and people encountered during the author's travels in Alaska, Yukon and Mackenzie districts, about 1935-40.

151 GODSELL, PHILIP H. 22144

Is there time to save the Eskimo? (Natural history, Feb. 1952, v. 61, no. 2, p. 56-62, illus.)

An account of the economic problems of the Eskimos, particularly those of the Mackenzie Delta and Coronation Gulf areas. Outlines the causes and consequences of their problems, and makes suggestions for improvement of the situation.

152 GODSEEL, PHILIP H. 5847

Old trails to the Arctic. (Canadian geographical journal, Apr. 1934, v. 8, p. 150-62, illus.)

A popular account of a stem-wheel steamer passage from Fort McMurray (Alberta) to Aklavik, with historical notes on the settlements and old forts along the way.

reporting his proceedings in search of Sir John Franklin's expedition. Presented to Parliament by Her Majesty's command. Ordered by the House of Commons to be printed 12 July 1849. 4 p. (Great Britain, Parliament. House of Commons. Sessional papers, Accounts and papers, 1849, v. 32, no. 497)

Contains report of Richardson's boat expedition to the mouth of Mackenzie River, thence eastward along the north continental coast to Cape Bathurst, Dolphin and Union Strait, and the Coppermine River. . .

158 GREAT BRITAIN. 45223

Arctic expedition. vi, 157 p., illus., 2 fold, maps. (Great Britain, Parliament. House of Commons. Sessional papers, Accounts and papers, 1850, v. 35. no. 107)

2. Western Arctic expedition: Progress report by Dr. John Richardson of journey in 1848 down Mackenzie River, east along north continental coast past Dolphin and Union Straits to Coppermine River.

159 GREAT BRITAIN. 45229 #1

Arctic expedition: further correspondence and proceedings connected with the arctic expedition. Presented to both Houses of Parliament by command of Her Majesty. London, Eyre and Spottiswoode, 1852. 216 p. 9 illus, 4 maps incl. 1 fold. (Great Britain, Parliament. House of Commons. Sessional papers, Accounts and Papers, 1852, v. 50, no. 1449)

1. Bering Strait expeditions: Report of Cmdr. W.J.S. Pullen (the Plover) on a boat expedition from Wainwright Inlet eastward along the north coast of Alaska to the mouth of the Mackenzie River in 1849; also eastward from the Mackenzie River to Cape Bathurst in 1850.

160 GREEN, R.J. 71837

Rehabilitation. (In: Canada. Dept. of Northern Affairs and National Resources. Northern Welfare. . .1962, p. 31-34, illus.)

Describes various remunerative activities developed among Eskimos, Indians and Metis as alternative to public assistance. Some rehabilitation centres discussed are: the Inuvik home industries program and Mackenzie Delta projects.

GREENAWAY, K.R. See #113.

161 GREENE, C.T. 40130

Tachnid flies with an evanescent fourth vein, including a new genus and five new species. (Entomological Society of Washington. Proceedings, Feb. 1934. v. 36, no. 2, p. 27-40, plates 6-9)

Contains a key to the species and an annotated list of 18, among them Apostrophus anthophiius, from Aklavik.

162 GROUARD, E.J.B.M. 6327

Souvenirs de mes soixante ans d'Apostolat dans l'Athabaska-Mackenzie. Lyon (etc.), Oeuvre Apostolique de Marie Immaculée, [1923]. viii, 440 p. illus. incl. ports, double-face map. Title tr: Recollections of my sixty years' apostolate in Athabaska-Mackenzie.

History of the Oblates of Mary Immaculate in the northern prairie provinces of Canada, the Mackenzie valley and Yukon Territory, 1862-1922.

163 HADWEN, I.S. 6438

A visit to the Mackenzie River delta. (Ontario Research Foundation. Bulletin, Dec. 1939, v. 6, no. 12, p. 1-4, illus.)

Report of a visit made at the request of the Northwest Territories Council, in the summer of 1939, to inspect the reindeer herd. Gives brief notes on the Eskimo herders, diseases, parasites, increase and fertility of the herds, and carrying capacity of the ranges.

HAIL, P. See #397.

164 HAMILTON, A.G. 51525

A new era in the Canadian North. (Western miner and oil review, Oct. 1958, v. 31, no. 10, p. 80-83)

Discusses recent mineral discoveries and outlines federal plans for development roads: Flat Creek to Fort McPherson (later to be extended to the arctic coast); etc.

170 HARRIS, R.E.

General outline of horticulture in the Canadian sub-arctic and arctic regions. (Proceedings of the XVII International Horticultural Congress, College Park, Maryland, August 1966. v. 4, p. 125-134, May 1967)

Briefly outlines the history of horticulture in the north, and the present-day activities of agriculture research stations, including one at Inuvik.

171 HARRISON, A.H. 6693

In search of a polar continent, 1905-07. London, E. Arnold, 1908. xx, 292 p., 32 plates, incl, ports., fold. map.

Account of mapping and exploration of part of the Mackenzie Delta, his sledge trips in the region, from Herschel Island east to Cape Bathurst. Includes descriptions of the Eskimos among whom he lived, etc. Map: Survey of part of Mackenzie Delta and adjacent region; Baillie and Herschel Islands (as insets).

172 HARRISON, A.H. 6694

In search of an arctic continent. (Geographical journal, Mar. 1908, v. 31, p. 277-87, fold. map)

Paper read before the Royal Geographical Society, December 1907, giving an account of the author's trip down the Mackenzie River and his sojourn in the delta region 1905-07, while he surveyed the area; includes descriptions of the country, and remarks on drifts in the polar sea.

173 HARVEY, H. 65071

North of the prairies. (World petroleum, Mar. 1959, v. 30, no. 3, p. 54-59, illus)

Describes engineering aspects of airport and town construction at Inuvik (East Three) also use of DC-3's, Otters, and Bell helicopters in Shell Oil Co. exploration in the Canadian North.

- 174 HEDLIN, R. 72086
- Reindeer for the North. (Beaver, Spring 1961, Outfit 291, p. 48-54, illus.)
- Reindeer-raising ventures in northern Canada are noted, the only one with even initial success that of 1935 in the Mackenzie Delta.
- 175 HEISE, H.
- Here's another new northern play. (Oilweek, v. 17, no. 31, Sept. 19, 1966, p. 16, 17 & 24)
- Much land activity on the east side of the interior plains of the Northwest Territories has been prompted by a combination of favorable federal land regulations, encouraging surface hydrocarbon evidence, and regional geological exploration.
- 176 HENOCH, W.E.S. 65117
- Fluvio-morphological features of the Peel and lower Mackenzie Rivers. (Geographical bulletin, 1960, pub. 1961, no. 15, p. 31-45, illus., maps, graph, tables) 7 refs.
- Discusses gradient, flow, discharge, sedimentation, etc., of the lower Mackenzie based on a 1958 field survey. Formation of alluvial plains is treated in some detail, with the formative factors.
- 177 HENOCH, W.E.S. 72118
- Fort McPherson, N.W.T. (Geographical bulletin, Nov. 1961, no. 16, p. 86-103, illus., maps, tables) 10 refs.
- Surveys the economic and geographic factors of site, climate, settlement pattern, resources, population, food income, transport, etc. contributing to the current transition from a self-sufficient hunting-trapping economy.
- 178 HENOCH, W.E.S. 65118
- Geographical Branch survey in the Mackenzie Delta and Peel River area. 1958. (Arctic circular, Aug. 1960, v. 13, no. 1, p. 9-15, map)

Investigations were made on the age of the delta and the Peel Valley, glaciation, the limits of marine transgression, and the processes involved in the formation of the alluvial plains and channels crossing them. Geomorphic observations during various trips from Fort McPherson are described. A geomorphic study by J.R. Mackay in the outer Mackenzie Delta is noted, also in that area, a combined reconnaissance by both parties of "injection domes".

179 HENOCH, W.E.S. 72119

Geographical survey of the lower Mackenzie and Arctic Red River area, 1960. (Arctic circular, 1961, pub. Apr. 1962, v. 14, no. 3, p. 52-58, map)

Describes field studies mostly of glacial geomorphology. Terraces, eskers, glacial channels, etc. were observed along Arctic Red River and its tributaries and along the Mackenzie between the Arctic Red and Travaillant Rivers.

180 HENOCH, W.E.S. 65119

Observation of Mackenzie River discharge. (Canadian geographer, 1960, no. 15, p. 44-49, maps, table) 10 refs.

Summarizes and analyzes the salinity and turbidity measurements (table) obtained by the schooner Tuklik on a voyage from Aklavik to Herschel Island, June-Sept. 1957.

181 HEWETSON, H.W. 7065

Transportation in the North-West. (In: Dawson, C.A., ed. The new North-West, 1947. p. 183-225, 2 sketch maps)

Discusses water, rail, road, and air transport in the Mackenzie District, including the delta. Includes some historical and economic background.

HILL, P.L. See #144.

182 HILL, R.M.

Mackenzie reindeer operations. Ottawa, 1967. (Canada, Dept. of Indian Affairs and Northern Development, Northern Co-ordination and Research Centre) 161 p.

Describes the historical, biological, and economic aspects of the Mackenzie reindeer operations. Discusses future trends and possible changes in the project. This project is well suited to the north because it provides low cost meat, local employment, and makes productive use of land which would not otherwise be utilized.

183 HILL, R.M.

Observations on white whales trapped by ice in the Eskimo Lakes during the winter of 1966-67. (Arctic circular, v. 17, nos. 3 and 4, May 1968, p. 28-36, 4 plates, sketch map, refs.)

Report on the behaviour of about 50 white whales who were trapped by the ice in the fourth Eskimo Lake, about 30 miles northeast of Inuvik.

184 HOARE, CATHERINE.

Herschel Island to Aklavik 1923. (Beaver, Dec. 1938, Outfit 269, no. 3, p. 42-45)

Account of the author's journey from Herschel Island to Aklavik during spring break-up.

185 HOBART, C.W., and C.S. BRANT.

Eskimo education, Danish and Canadian: a comparison. (Canadian review of sociology and anthropology, v. 3, no. 2, May 1966, p. 47-66)

Analysis and comparison of the educational systems used in Greenland and Canada's North, based in part on field work in the Mackenzie District. (Revised and expanded version of "Socio-cultural conditions and consequences of native education in the Arctic: a cross-national comparison", presented at the annual meeting of the American Anthropological Association, Denver, Colorado, November, 1965)

HOBART, C.W. See #37.

- 186 HÖHN, E.O. 72177
- The names of economically important or conspicuous mammals and birds in the Indian languages of the District of Mackenzie, N.W.T. and in Sarcee. (Arctic, Dec. 1962, v. 15, no. 4, p. 299-308, tables) 10 refs.
- Lists 33 mammals' and 62 birds' names in English, Latin, Loucheux, Hare, Slavey, Dogrib, Chipewyan, and Sarcee; the names were recorded mostly in 1949, from Fort McPherson, Aklavik, etc.
- 187 HÖHN, E.O., and D.L. ROBINSON. 22648
- Some supplementary bird notes from the general area of the Mackenzie Delta, and Great Slave Lake. (Canadian field-naturalist, May-June 1951, v. 65, p. 115-18)
- Notes on 25 species of birds either additions to or otherwise interesting in connection with A.E. Porsild's Birds of the Mackenzie Delta, 1943, based on observations by Höhn at Aklavik, June-Sept. and at Fort Resolution, May-June 1949 (ten species); dates of spring arrival of certain species at Tuktoyaktuk, supplied by Robinson from observations, 1947-49.
- 188 HONIGMANN, JOHN J.
- Dance of the ancient ones. (Beaver, Autumn 1968, Outfit 299, p. 44-47)
- Description of drum dances and songs performed by a group of Eskimos in Aklavik.
- 189 HONIGMANN, JOHN J.
- A gallery of delta folk. (North, v. 16, no. 1, Jan.-Feb. 1969, p. 23-30, plates)
- A collection of photographs (with some text) of the various peoples living in the Mackenzie Delta.
- 190 HONIGMANN, JOHN J.
- Preliminary report on fieldwork in Inuvik, N.W.T. (Paper prepared for the 66th annual meeting of the American Anthropological Association, Washington, D.C., 1967)

Includes "a few tentative generalizations concerning Inuvik and its culture in comparison to Frobisher Bay." Fieldwork was done in Frobisher Bay in 1963, and in Inuvik in 1967.

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| 191 | HOOPER, W.H. | 7395 |
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Ten months among the tents of the Tuski, with incidents of an arctic boat expedition in search of Sir John Franklin, as far as the Mackenzie River, and Cape Bathurst. London, J. Murray, 1853. xv, [1] 417, 1 p. illus., 11 plates (part col.) fold. map.

Account of the expedition of H.M.S. Plover, under Captain T.E.L. Moore, 1848-51; the author made two trips up the Mackenzie River to Fort Simpson and north again, and notes Eskimos and Indians, sea and river ice, hunting, trapping, and character of territory covered.

- 192 HOURDE, R.N. 7431

Reindeer herd. (Beaver, Mar. 1937, Outfit 267, p. 26-29, illus.)

Report of a visit to Richards Island, Mackenzie Delta, where the herd of reindeer, driven from western Alaska to the Mackenzie River, 1929-34 are herded by Lapps.

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| 193 | HUME, G.S. | 35341 |
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The lower Mackenzie River area, Northwest Territories and Yukon. Ottawa, Queen's Printer, 1954. 118 p. 5 illus. on 3 plates, 17 maps (3 fold.), cross-sections, tables. (Canada. Geological Survey. Memoir 273) 78 refs.

Contains detailed geology of the Mackenzie River and bordering regions from Wrigley (63° 16'N., 123° 36'W.) to 68°N. centering on the Norman Wells area.

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| 194 | HUME, G.S. | 45648 |
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Petroleum geology of Canada. Ottawa, King's Printer, 1944. 64 p. text maps, cross-sections. (Canada. Geological Survey. Economic geology series, no. 14) approx. 75 refs.

Includes geology of the Mackenzie River basin, including Great Slave Lake, Fort Norman, Arctic Red River, and Peel River areas (p. 51-59). Oil development, if any, and estimates of oil possibilities are made.

Journalist's account of the drive by Eskimo and Lapplanders from Seward Peninsula to the Mackenzie Delta, 1930-35, of 3000 reindeer, purchased by the Canadian Government from the Lomen Reindeer Corporation of Alaska.

200 IMPERIAL OIL REVIEW. 65309

Report on the North. (Its: Oct. 1960, v. 44, no. 5, p. 1-37, illus. part col., map)

Land of a thousand faces by M. Jacot (p. 8-12) gives impressions from a visit to settlements including Inuvik and Aklavik.

201 INGALL, L.N., and R.J. COPELAND. 72368

Operational report on a gravity meter survey conducted on the arctic coastal plain. (In: International Symposium on Arctic Geology. Proceedings 1961, v.2, p. 1149-52.)

Describes equipment, operations, etc. on this British American Oil Co. survey of an area near Inuvik, June-July 1959 by an 11-man party using a Bell 47G-1 helicopter for transportation and a float-equipped Beaver aircraft for support.

202 INNIS, H.A 7734

The fur trade of Canada. Toronto, University of Toronto Library, 1927. 172 p. (University of Toronto studies. History and Economics. v. 5, no. 1)

Description of the modern trade. Chapters on fur bearers, demand, prices, production, manufacture and marketing.

203 IRWIN, DAVID. 7780

One man against the North. New York, Thomas Y. Crowell Co., 1940. 244 p.

Account of the author's journey from Barter Island to Baker Lake. Describes his experiences, and the life of the Eskimos among whom he lived.

- 204 **IVARSON, K.C.**

The microbiology of some permafrost soils in the Mackenzie Valley, N.W.T. (Arctic, Dec. 1965, v. 18, no. 4, p. 256-260, tables)

Report on experiments made from soil samples taken from the lower Mackenzie Valley. Arctic soils in Canada support large populations of micro-organisms.

- 205 **JACOT, M.**

35425

Aklavik, where muskrat is king. (Imperial oil review, Dec. 1954, v. 38, no 4, p. 16-21, 10 illus.)

Popular description of the town, its inhabitants, permafrost problem, recreation, schools, trapping, whaling, and history; also its proposed move to another site.

- 206 **JELETZKY, J.A.**

72530

Eastern slope, Richardson Mountains: Cretaceous and Tertiary structural history and regional significance. (Geology of the Arctic, 1961, v. 1, (ed. G.O. Raasch), University of Toronto Press, p. 532-583)

Summarizes results of a detailed stratigraphic-paleontological survey, made in summers 1955-58, of the uppermost Jurassic and Cretaceous rocks of the Richardson Mountains, Porcupine Plains and Eagle Plains.

- 207 **JELETZKY, J.A.**

Uppermost Jurassic and Cretaceous rocks of Aklavik range, Northeastern Richardson Mts., Northwest Territories. (Geol. Survey of Canada, 1958, Paper 58-2, 84 p.)

Descriptions of physical features and selected sections of the Aklavik Range, Mackenzie District.

- 208 **JENNESS, DIAMOND.**

8027

Comparative vocabulary of the Western Eskimo dialects. Ottawa, King's Printer, 1928. 134 p. (Canadian Arctic Expedition 1913-18. Report. v. 15: Eskimo language and technology, part A)

Contains a list of about 2,000 words from Eskimo of many areas, including the Mackenzie Delta.

209 JENNESS, DIAMOND. 8032

Eskimo string figures. Ottawa, King's Printer, 1924. 192 p., illus., map. (Canadian Arctic Expedition, 1913-18. Report. v. 13, Eskimo folk-lore, part B)

Descriptions, illustrations and discussion of 156 string figures, known among North Alaskan, Mackenzie and Copper Eskimos. (Appendix in Journal of American folklore, 1923, v. 36, p. 281-94. A.B. #8031.)

210 JENNESS, DIAMOND. 8044

Myths and traditions from northern Alaska, the Mackenzie Delta, and Coronation Gulf. Ottawa, King's Printer, 1924. 90 p. (Canadian Arctic Expedition, 1913-18. Report. v. 13, Eskimo folklore, part A)

Discussion and texts of 94 Eskimo stories collected in these areas.

JENNESS, D. See #376.

211 JOHNSTON, G.H. 72582

Bench marks in permafrost areas. (Canadian surveyor, Jan. 1962, v. 16, no. 1, p. 32-41, diagrams) 25 refs.

Reviews the literature on the problem of installing reliable, permanent bench marks in permafrost regions. Various types used by American, Canadian and Soviet agencies are discussed and diagrammed. Experience in installing bench marks at Inuvik is described.

212 JOHNSTON, G.H., and R.J.E. BROWN. 79780

Effect of a lake on distribution of permafrost in the Mackenzie River delta. (National Research Council of Canada. Technical memorandum 1963, no. 76, p. 218-25, maps, graphs, illus.) (Also a condensed version in Nature, 1961, v. 192, no. 4799, p. 251-2)

Summary of the results of a 1961 drilling program under and near a lake southwest of Inuvik. Sediments beneath the lake were unfrozen, whereas there was permafrost to the full depth of holes drilled outside the lake.

213

JOHNSTON, G.H.

40628

Site exploration in permafrost areas. (In: National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. Technical Memorandum no. 36, Apr. 1955. Proceedings of the Eighth Canadian Soil Mechanics Conference, Dec. 16 & 17, 1954, p. 2-11)

Reasons are noted for moving the settlement of Aklavik. Results are reported of an extensive soil exploration program at the old site in summer 1953, also exploratory drilling the next summer on the east side of Mackenzie Delta for a new site.

214

JOHNSTON, G.H., and R.J.E. BROWN.

Some observations on permafrost distribution at a lake in the Mackenzie Delta, N.W.T., Canada. (Arctic, Sept. 1964, v. 17, no. 3, p. 163-175, maps, illus., diagrams)

Report of an investigation to determine the distribution of permafrost under and near a lake in the Mackenzie Delta. The presence of the lake has caused a deep thawed zone underneath it. Although the thawing effect is present only for the ground under the lake, the thermal effect of the lake extends for some distance beyond its perimeter.

215

JOHNSTON, G.H., and R.J.E. BROWN.

Stratigraphy of the Mackenzie River delta, N.W.T., Canada. (Geological Society of America. Bulletin. v. 76, no. 1, Jan. 1965, p. 103-112) (DRB Research Paper no. 235)

Deposits were sampled to bedrock (about 230 ft.) in the delta near Inuvik. About 50 ft. of dense silty clay is above the bedrock, overlain by about 180 ft. of stratified silts, fine sand and organic material. Includes comments on the indicated origin of the deposits and development of the delta.

JOHNSTON, G.H. See #40, 43, 234, 343, 346.

216

JOHNSTON, W.P.

8224

First Mackenzie River airfield. (Beaver, Mar. 1946, Outfit 276, no. 4, p. 38-39, illus.)

“The first landing strip along the Mackenzie was laid out in 1937 at Aklavik.”

217 JONES, E.T. 45817

Mackenzie River migration. (Canadian field naturalist, July-Sept. 1956, v. 70, no. 3, p. 143)

Contains observations made in September 1954 during a 2200 mile trip by boat from Hay River on the south shore of Great Slave Lake, to Aklavik on the Mackenzie Delta. Many migrating waterfowl (Canada geese, snow geese, whistling swans, etc.) use the Mackenzie as their highway south.

218 JONES, STRACHAN.

The Kutchin tribes. Washington, U.S. Govt. Printing Office. Smithsonian Institution. Annual Report. 1866. p. 320-327, illus.

An account of the character, physical appearance, dress, food, dwellings, arts, material culture, trade, medicine, government, law and social life, with drawings.

219 KEARNEY, H. 8471

Canada's reindeer. (Royal Canadian Mounted Police quarterly, Apr. 1941, v. 8, p. 444-49 incl. 2 p. illus.)

Brief sketch of the reindeer experiment for the natives of the northern Mackenzie District.

220 KELLAWAY, G.A. 45932

Notes on the geology of the Mackenzie Delta. Abstract. (Canadian geographer, 1956, no. 7, p. 12)

West of the delta are primarily Mesozoic sedimentary formations; rocks to the east of the delta include dolomite, limestone, and shale. Most striking feature in this area is the Caribou Hills escarpment.

Maps and describes the new town site, (then in a preliminary stage) to accommodate an 80-bed hospital, two 250-student hostels, a 25-room school building, a rehabilitation center for Eskimos, several federal buildings, and nearly 200 dwelling units.

- 226 KINDLE, E.M. 8692

Notes on Devonian faunas of the Mackenzie River Valley.
(American journal of science, 1916, ser. 4, v. 42, p. 246-48)

A fossil coral from Gull Lake in the Mackenzie Delta places the Devonian much farther north than previously known.

- 227 KIRKBY, REV. W.W.

The Indians of the Youcon. (In: Hind, H.Y. Explorations in the interior of the Labrador Peninsula . . . London, Longman, Green Longman, Roberts & Green, 1863. v. 2, Appendix no. III, p. 254-257)

Short description of the various Kutchin tribes, including the Tatlit Kutchin, visited by this missionary.

- 228 KITTO, F.H.

The North West Territories, 1930. Ottawa, 1930. (Canada. Dept. of the Interior, Northwest Territories and Yukon Branch.) 137 p.

Contains sections on the Northwest Territories as a whole, and on the various districts. The section on the Mackenzie District contains descriptions of geographical features, the fur trade, transportation and communications, public welfare, the native population, natural resources, wildlife, etc.

KLENGENBERG, CHRISTIAN. See #247.

- 229 KREBS, C.J. 59391

Growth studies in the reindeer, *Rangifer tarandus*, with an analysis of population changes in the Mackenzie Delta herd over the period 1938-1958. University of British Columbia, Apr. 1959. xii, 164 1. tables, graphs, diagrams. 74 refs.

The growth of four fawns is described by Brody's and von Bertalanffy's equations. Changes in numbers and composition of the herd are analyzed. Field work was done at the Aklavik Reindeer Station.

- 230 KREBS, C.J., and I. McT. COWAN. 80324

Growth studies of reindeer fawns. (Canadian journal of zoology, 1962, v. 40, no. 5, p. 863-69, tables, graph) 6 refs.

Report on four reindeer observed in the Mackenzie Delta. Three growth phases were discernible in the first two months of life.

- 231 KREBS, C.J. 73095

Population dynamics of the Mackenzie Delta reindeer herd, 1938-1958. (Arctic, June 1961, v. 14, no. 2, p. 91-100, graphs, tables) 11 refs.

Analyzes fluctuations in the size of both government and Eskimo-owned herds of Rangifer tarandus in the Reindeer Grazing Preserve of northern Mackenzie District.

LAWRENCE, C.H. See #411.

- 232 LEAHEY, A. 9785

Characteristics of soils adjacent to the Mackenzie River in the Northwest Territories of Canada. (Soil Science Society of America. Proceedings, 1947, v. 12, p. 458-61, sketch map)

Report on a soil survey traverse of the valley, Aug. 2 — Sept. 8, 1945. Includes brief remarks on climate and vegetation and analyses of soils from Fort Simpson, Fort Norman, Fort Wrigley, Birch Creek, and Aklavik.

LEAHEY, A. See #313.

- 233 LE CONTÉ, R. 35831

La bassin du Mackenzie. (Société des Américanistes de Paris. Journal, 1920. Nouv. ser, t. 12, p. 270-76) Title tr.: The basin of the Mackenzie.

Contains hydrographic description of the region, including the Mackenzie proper and its delta. Length of rivers, area of lakes, etc., are given.

- 234 LEGGET, R.F., R.J.E. BROWN, and G.H. JOHNSTON.

Alluvial fan formation near Aklavik, N.W.T., Canada. (Geological Society of America. Bulletin, v. 77, no. 1, Jan. 1966, p. 15-29)

Reports observations on the development of alluvial fans at the foot of the Richardson Mountains on the west side of the delta. Discusses the relative importance of various factors contributing to formation of the fans.

- 235 LEGGET, R.F., and R.J.E. BROWN. 46296

Rapid disintegration of alluvial-fan material near Aklavik, Northwest Territories. (Geological Society of America. Bulletin, Dec. 1956, v. 67, no. 12, Pt. 2, p. 1715)

Test drilling in permafrost on western edge of Mackenzie Delta disclosed some 40 ft. of organic silt, no sand or gravel. Intense frost action causes rapid mechanical weathering of material from adjacent mountains. Process is aided by turbulent stream action and annual growth of grasses on surface of stream meanders.

LEGGET, R.F. See #287, 345, 473.

- 236 LEUSSLER, R.A., and O. BRYANT. 9952

Notes on the diurnal Lepidoptera of the Canadian Arctic collected by Owen Bryant in the summers of 1929 to 1932. With introduction and field notes by Owen Bryant. (Brooklyn Entomological Society. Bulletin, Feb.-June 1935, v. 30, p. 1-10, 46-62, 115-18)

Describes localities where butterflies were collected, including several places in the lower Mackenzie River and delta region. An annotated list of 46 butterfly (1 new) species is included.

- 237 LLOYD, T. 10257

The Mackenzie waterway: a northern supply route. (Geographical review, July 1943, v. 33, p. 415-34, illus., diagrams, 5 sketch maps)

Description of the evolution of transportation, the navigational hazards, and the ice conditions on rivers and lakes in the Mackenzie Basin.

LONGLEY, R.W. See #33.

238 LOTZ, J.R.

Inuvik, N.W.T. A study of community planning problems in a new northern town. Ottawa, Dept. of Northern Affairs and Natural Resources, Northern Co-ordination and Research Centre, 1962. 45 p.

Includes chapters on administration and local government, land, town planning and housing, services, employment and commercial facilities, community institutions and associations, recreational facilities, and social problems.

239 LOTZ, J.R. 73603

Pelts to parkas. (Beaver, Autumn 1962, Outfit 293, p. 16-19, illus.)

Describes growth of the Aklavik Fur Garment Project initiated by the Federal Government in February 1959 to train Indian and Eskimo women to make fur clothing on a commercial basis.

240 LUBINSKY, G. 52936

Ophryoscolecidae, Ciliata: Entodiniomorphida, of reindeer, Rangifer tarandus L., from the Canadian Arctic, 1; Entodiniinae. (Canadian journal of zoology, Oct. 1958, v. 36, no. 5, p. 819-35, illus., tables) 16 refs.

Redescription of 10 species of these protozoans found in the rumen of animals from Reindeer Depot, Aklavik, Dec. 1955 and 1956.

241 LUBINSKY, G. 52937

Ophryoscolecidae, Ciliata: Entodiniomorphida, of the reindeer, Rangifer tarandus L., from the Canadian Arctic, 2; Diplodiniinae. (Canadian journal of zoology, Dec. 1958, v. 36, no. 6, p. 937-59, illus. tables) 11 refs.

Description of a new species of these protozoans, Polyplastron arcticum, n. sp. and redescription of 8 other species from reindeer in Aklavik.

242 McALLISTER, D.E. 80892

Fishes of the 1960 "Salvelinus" program from western Arctic Canada. (Canada. National Museum. Bulletin 1963. no. 185, Contributions to zoology 1962, p. 17-39, maps, illus.) 26 refs. French summary.

Descriptive and taxonomic comments on 30 species collected from the Herschel Island area, and 14 species from the Mackenzie River system near Aklavik.

243 McALLISTER, D.E. 73668

Northward range extension of the flathead-chub and trout-perch to Aklavik, N.W.T. (Canada. Fisheries Research Board. Journal, Jan. 1961, v. 18, no. 1, p. 141)

Record of Platygobio gracilis and Percopsis omniscomaycus caught in July with other fish only once reported in this area. Northward range extension amounts to some 200 miles for the first and 35 miles for the second species.

244 McCONNELL, R.G. 10575

Report on an exploration in the Yukon and Mackenzie basins, N.W.T. Montreal, W.F. Brown, 1891. 163 p. 10 fold. maps. (Canada. Geological Survey. Annual Report, 1888-89, v. 4, pt. D)

Narrative of author's work during 1887-88 as part of the Yukon Expedition and a report on the routes, geology, and geographic characteristics of portions of the Mackenzie and other rivers.

245	MacDONALD, M.	10598
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Down North. London, Toronto, New York, Oxford University Press, 1943. xi, 274 p. incl. front. (map). Issued also in New York by Farrar & Rinehart, 1944.

Records of the author's 3 week visit by plane from Ottawa to the Yukon, returning eastward by Aklavik. Includes an historical sketch, description of places, etc.

- 246 MacFARLANE, R.R. 10613

Notes on mammals collected and observed in the northern Mackenzie River district, Northwest Territories of Canada, with remarks on explorers and explorations of the far North. (U.S. National Museum. Proceedings, 1905, v. 28, p. 673-674, illus., plates 30-34)

Notes on some 70 species of mammals collected in 1861-66 in Mackenzie District from about 67°N. 124°W to Beaufort Sea, between Mackenzie River and Cape Bathurst, and in Beaufort Sea.

- 247 MacINNES, T., ed.

Klengenberg of the Arctic, an autobiography. London and Toronto, Jonathan Cape, 1932. 360 p.

An autobiography of Christian Klengenber, a sea captain who sailed in the Arctic: his adventures and experiences.

- 248 MACKAY, D.K.

Break-up on the Mackenzie River and its delta, 1964. (Geographical bulletin, 1965, v. 7, no. 2, p. 117-128)

Reports and discusses aerial and ground observations made during the 1964 break-up season on the Mackenzie River and in the delta.

- 249 MACKAY, D.K.

Mackenzie River and Delta ice survey, 1965. (Geographical bulletin, 1966, v. 8, no. 3, p. 270-278)

In 1965, as in 1964, break-up in the Mackenzie River and delta occurred later than usual. No flooding occurred at settlements despite ice jams at The Ramparts and the Lower Ramparts. Discusses the effects of surface patterns of the snow and ice cover in accelerating the break-up process.

250

MACKAY, J.R.

73706

Freeze-up and break-up of the lower Mackenzie River, Northwest Territories. (In: International Symposium on Arctic Geology. Proceedings 1961, v. 2, p. 1119-34, map, graphs, tables) 24 refs.

Reviews the records (of varying length, continuity, etc.) for this river between Fort Good Hope and the sea. Break-up occurs 10-20 days later at Reindeer Depot on the East Channel in the delta, than at Fort Good Hope.

251

MACKAY, J.R.

Gas-domed mounds in permafrost, Kendall Island, N.W.T. (Geographical bulletin, 1965, v. 7, no. 2, p. 105-115)

Includes a physical description of four gas-domed mounds on Kendall Island, Mackenzie Delta. It is postulated that the gas was methane, mixed with variable amounts of other gases. Discusses the possible thermal history of the development of the gas-domed mounds.

252

MACKAY, J.R., R.S. MacNEISH, and W.H. MATHEWS.

Geology of the Engistciak archaeological site, Yukon Territory. (Arctic, 1961, v. 14, no. 1, p. 25-52)

From the geological evidence at this site, it is concluded that all artifacts and associated organic detritus in the clay areas of the site postdate the last glaciation of this area. The complex soil movements brought about by freezing, thawing, and down-slope creep make relative dating difficult.

253

MACKAY, J.R.

80942

The Mackenzie Delta area, N.W.T. (Geographical Branch Memoir 8, 202 p., Ottawa, 1963)

Reports on the physical geography of the delta area 68°-70°N. Ten physiographic regions are described, with detailed analysis of the delta per se. The distribution and/or configuration of glacial, topographic, solefluction, etc. features are mapped.

- 254 MACKAY, J.R. 46536

Mackenzie Deltas, a progress report. (Canadian geographer, 1956, no. 7, p. 1-12, 4 text maps, graphs, cross-sections) 22 refs.

The modern post-glacial delta is sharply delimited by the Richardson Mts. on the west, the Caribou Hills on the east, and by older deltaic or fluvial deposits on the northeast. Physiography of the ancient-modern delta area is described.

255 MACKAY, J.R.

Permafrost depths, lower Mackenzie Valley, N.W.T. (Arctic, v. 20, no. 1, March 1967, p. 21-26)

Permafrost depths in the Mackenzie Delta are highly variable. In the distal area of the delta, where islands are growing, permafrost should continue to accumulate for many more centuries.

256 MACKAY, J.R. 73708

Pingos of the Pleistocene Mackenzie Delta area. (Geographical bulletin, Nov. 1962, no. 18, p. 21-63, illus., fold. map, diagrams, graphs) 40 refs.

The older and larger pingos of the Pleistocene area east of the Mackenzie Delta are dealt with: their distribution and characteristics, theoretical and practical aspects of their origin, their estimated age. More than 1350 are found in a belt extending east from Richards Island to Cape Dalhousie.

257 MACKAY, J.R., and J. TERASMAE.

Pollen diagrams in the Mackenzie Delta area, N.W.T. (Arctic, Dec. 1963, v. 16, no. 4, p. 229-238, map, graphs)

Relates the palynological evidence obtained from a study of peat deposits along with geological and other data, to the post glacial history of the Mackenzie Delta area. Includes two pollen diagrams and a tentative sequence of climatic events for the area.

258

MACKAY, J.R.

80945

Process of break-up and freeze-up along the Mackenzie River.
(Geographical bulletin, May 1963, no. 19, p. 103-116)

Reports a study of earlier records and air photographs of the Mackenzie River, from Great Slave Lake to Beaufort Sea, to determine the progress of ice formation and disintegration the effects of break-up on flooding in the delta, and for the influence of flow travel time on break-up and freeze-up dates.

259

MACKAY, J.R.

Segregated epigenetic ice and slumps in permafrost, Mackenzie Delta area, N.W.T. (Geographical bulletin, 1966, v. 8, no. 1, p. 59-80)

Classification of ground ice applicable to the Mackenzie Delta, with a more detailed discussion of the origin and distribution of segregated ice with emphasis on epigenetic ice. Considers the relationships among the age of sediments, sedimentation, and grain size distribution of soils.

260

MACKAY, J.R.

53018

Structural features formed by glacier ice at Nicholson Peninsula and Herschel Island, N.W.T., Canada. (Association of American Geographers. Annals, June 1957, v. 47, no. 2, p. 168-69)

Nicholson Peninsula and Herschel Island differ from the adjacent coastal plain in being considerably higher and having deformed sediments, probably caused by pressure of glacier ice against topographic obstructions or by drag effect of the ice.

261

MACKAY, J.R., and J.K. STAGER.

The structure of some pingos in the Mackenzie Delta area, N.W.T.
(Geographical bulletin, 1966, v. 8, no. 4, p. 360-368)

Study of exposed horizontal cross sections of some pingos of the Mackenzie Delta which have been exposed by truncated wave action. Pingo growth probably started less than 3,000 years ago.

- 262 MACKAY, J.R. 53019
A subsurface organic layer associated with permafrost in the Western Arctic. (Dept. of Mines & Technical Surveys, Geographical Branch, Ottawa, 1958, Geog. Paper no. 18, 21 p.)
Results of a study of a discontinuous subsurface organic layer of varying thickness, lying close to the permafrost surface in extensive areas. Distribution of organic layers is widespread in the Canadian Western Arctic.

263 MACKAY, J.R., and J.K. STAGER.
Thick tilted beds of segregated ice, Mackenzie Delta area, N.W.T. (Periglacial bulletin (Biuletyn Peryglacjalny, Lodz, Poland), no. 15, 1966, p. 39-43)
Describes deformed sediments containing large tilted ice masses which appear to be part of the stratigraphic succession, and presents possible origins for the tilted ice.

264 MACKAY, J.R.
Underwater patterned ground in artificially drained lakes, Garry Island, N.W.T. (Geographical bulletin, 1967, v. 9, no. 1, p. 33-44 illus.)
Attempts to determine causes for the existence of patterned ground in two artificially lowered lakes on Garry Island in the Mackenzie Delta.

265 McKENNAN, R.A. 10644
Anent the Kutchin tribes. (American anthropologist, 1935. New ser., v. 37, p. 369)
Discussion of C. Osgood's Kutchin tribal distribution and synonymy, 1934, with notes on locality, name. etc., of one new tribe.

266 MACKENZIE, A.
Voyages from Montreal through the continent of North America to the Frozen and Pacific Oceans in 1789 and 1793. Reprinted, 1801. Toronto, George N. Morang & Co. Ltd., v. I and II.

Account of Mackenzie's voyages. Includes a general history of the fur trade in Canada.

- 267 MACLENNAN, J. HUGH. 80961

Seven rivers of Canada. Toronto, Macmillan, 1961, 170 p., maps.

Includes an account of a trip by barge tow down the Mackenzie River system, descriptions of scenery, etc., a review of Mackenzie's exploration of the river in 1793, and a consideration of future settlement of the valley.

- 268 MacNEISH, R.S. 41205

Archaeological excavation on the Yukon arctic coast in 1955.
(Arctic circular, 1955, v. 8, no. 4, p. 70-72)

Reports results of excavations along the Firth River, containing remains of nine different archaeological complexes.

- 269 MacNEISH, R.S. 30622

Archaeological reconnaissance in the Mackenzie River drainage. (Canada. National Museum. Bulletin, 1953, no. 128, p. 23-29, 3 plates, text map) 10 refs.

Report on the 1950 and 1951 field work of the archaeological survey of the Northwest Territories by the National Museum of Canada. In 1951 the area covered included the Mackenzie River from Fort Norman to the Peel River near Aklavik, 29 sites are located and artifacts described.

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| 270 | MacNEISH, R.S. | 46550 |
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Archaeological reconnaissance of the Delta of the Mackenzie River and Yukon Coast. (Canada. National Museum. Bulletin, 1956, no. 142, p. 46-81)

Contains results of summer 1954 investigations. At least three major cultural complexes appear to be represented in this area.

271 MacNEISH, R.S. 46551

The Engigstciak site on the Yukon arctic coast. (Alaska. University. Anthropological papers, May 1956. v. 4, no. 2, p. 91-111)

Preliminary progress report on 1955 excavations at the foot of the British Mountains along the east bank of the Firth River. Describes the finds, establishes a tentative sequence of nine culture complexes, and compares this with other arctic sites.

272 MacNEISH, R.S. 59979

Firth River archaeological activities, 1956 and 1958. (Arctic circular, Sept. 1959, v. 12, no. 2, p. 26-29)

Results of work at the Engigstciak site. Describes new finds from the nine occupation horizons. The artifacts in the first six layers show considerable affinities to analogous Siberian cultures. This supports the theory of a steady flow of population from Asia to America as opposed to separate large-scale migrations.

273 MacNEISH, R.S. 59980

Men out of Asia; as seen from the northwest Yukon. (Alaska. University. Anthropological papers, May 1959. v. 7, no. 2, p. 41-70)

Preliminary report on 1958 fieldwork at the Engigstciak archaeological site on Firth River. Geology, stratigraphy, and cultural phases and their components are described.

MACNEISH, R.S. See #252.

274 MACPHERSON, A.H.

The barren ground grizzly bear and its survival in Northern Canada. (Canadian Audobon, Jan.-Feb. 1965, v. 27, no. 1, p. 2-8)

A discussion of the present range, which includes the Mackenzie Delta, feeding habits and behaviour of the grizzly. The author assesses the danger to human beings from these bears, and argues for a reasonable program for control of the population rather than the elimination of legislative protection of the grizzly bear, as has happened.

MADILL, R.G. See #140.

275 MAILHOT, JOSÉ.

Inuvik community structure — summer 1965. Canada. Dept of Indian Affairs and Northern Development, Northern Science Research Group, 1968. 38 p., tables, maps. (Mackenzie Delta Research Project, MDRP 4)

Analysis of community organizations and associations in Inuvik. The author concludes that there is a marked split between permanent and transient groups in Inuvik, and that, in effect, two communities exist.

276 MAIR, C.

Through the Mackenzie Basin. A narrative of the Athabasca and Peace River Treaty Expedition of 1899. Toronto, William Briggs, 1908. 494 p.

Account of the author's experiences on this expedition. Includes notes on the native peoples, geography, activities of traders, missionaries, etc. Also contains a section by R. MacFarlane, "Notes on mammals collected and observed in the northern Mackenzie River District, Northwest Territories of Canada, with remarks on explorers and explorations of the far north."

MALCOLM, W. See #52.

277 MARSH, DONALD B.

10970

Rating in the Delta. (Beaver, Mar. 1948. Outfit 278, no. 4, p. 32-35, illus.)

Natural history notes on the Mackenzie Delta muskrat, and some remarks on the native methods of hunting the animals, which provide an industry with an average annual value of half a million dollars, to Aklavik.

278 MARSH, DONALD B.

White whales in the Arctic. (Canadian geographical journal, July 1950, v. 41, no. 1, p. 34-40)

Description of whaling in the Beaufort Sea.

279

MARTIN, L.J.

Geology of the Mackenzie Delta area. Petcal Report No. 155, September, 1959.

Report of 1959 field work, which supports the "hypothesis that the Mackenzie Delta and adjacent parts of the Arctic Coastal Plain are underlain by a prism of sedimentary rocks analogous to that beneath the Gulf Coast of the United States."

280

MARTIN, L.J.

60103

Stratigraphy and depositional tectonics of north Yukon — lower Mackenzie area, Canada. (American Association of Petroleum Geologists. Bulletin, Oct. 1959. v. 43, no. 10, p. 2399-2455, 21 text maps, diagrams, 2 tables) 83 refs.

Summarizes the stratigraphy and tectonic history of the 150,000 sq. mile area. Strata of every Paleozoic and Mesozoic system as well as rocks of Precambrian and Tertiary age are present in the area; dominant rock types are noted.

281

MASON, M.H.

11040

The arctic forests. London, Hodder & Stoughton Ltd., 1924. xiii, 320 p. 53 plates (1 col.) ports., 2 fold. maps.

Describes Eskimo and Indian tribes, brief history of the white man in the North; notes on mammals, birds, fish, and mineral resources, and accounts of some of the author's trips on the Mackenzie, Porcupine, and Yukon Rivers.

282

MASON, W.S.

11051

The frozen northland; life with the Eskimo in his own country. Cincinnati, Jennings & Graham; New York, Eaton & Mains, [c1910]. p. 8 plates, 2 maps (incl. front.)

Account of the author's trip via Mackenzie River in 1896, to Herschel Island and his sojourn there through several seasons. Includes descriptions of the Mackenzie Eskimos, the whalers, etc.

283 MATHERS, C.W.

A souvenir from the North. Published by C.W. Mathers, Photographer, Edmonton, Alberta, 1901. 23 p.

A collection of 20 photographs taken on a trip from Edmonton to the mouth of the Mackenzie River, depicting various aspects of life on the river and the way of life of the native peoples.

MATHEWS, W.H. See #252.

284 MATHIASSEN, T. 11060

Archaeological collections from the western Eskimos. (Report of the Fifth Thule Expedition. 1921-24, Copenhagen, 1930, v. 10, no. 1, 100 p.)

Contains descriptions of more than 3000 archaeological specimens from Point Atkinson, Barter Island, Point Barrow, Point Hope, and East Cape. Includes attempt to sort artifacts according to general periods.

285 MEEK, F.B. 11175

Remarks on the geology of the valley of Mackenzie River, with figures and descriptions of fossils from that region, in the Museum of the Smithsonian Institution, chiefly collected by the late Robert Kennicott, Esq. (Chicago Academy of Sciences. Transactions, 1867. v. 1, pt. 1, p. 61-114, 5 plates)

Contains remarks on the age of the rocks, descriptions of fossil species including ten corals, 23 brachiopods, and two molluscs. Includes a short general description of the delta.

286 MELVILLE, J.C.D.

Notes on the distribution and economic importance of the "Inconnu" (*Stenodus Mackenzie*) in the Mackenzie River Valley. (Canada. Dept. of Marine & Fisheries. 47th Annual Report, 1914.) p. 238-40.

Notes on the range and behaviour of this economically valuable fish found in the Mackenzie River and delta.

- 287 MERRILL, C.L., J.A. PIHLAINEN, and R.F. LEGGET. 66688
- The new Aklavik; search for the site. (Engineering journal, Jan. 1960, v. 43, no. 1, p. 52-57, illus., table, maps)
- Explains the reasons for moving Aklavik (mainly the poor soil conditions), requirements for the new site, and means employed in carrying out the field survey work. Geography and geology of the new site are summarized.
- 288 MERRILL, C.L. 46721
- Notes on Aklavik relocation project, 1954. Abstract. (Canadian geographer, 1956, no. 7, p. 27)
- In 1954, a team of 5 engineers and three specialists in geology and geography investigated possible sites for a new Aklavik on the Mackenzie Delta. Location 33 air miles east of present town was selected.
- 289 MERRILL, C.L. 41370
- Physiography of the Mackenzie Delta region and its relation to relocation of Aklavik, N.W.T. (Geological Society of America. Bulletin, Dec. 1955. v. 66, no. 12, pt. 2, p. 1705-1706)
- The estuarine delta consists of approx. 4,000 sq. miles of small lakes and winding channels, with narrow, wooded, silt banks, between high ground on the east and west delta flanks. Landforms bordering the delta are briefly described.
- 290 MIERTSCHING, JOHANN.
- Frozen ships. The arctic diary of Johann Miertsching, 1850-1854. Translated and with introduction and notes by L.H. Neatby. Toronto, Macmillan of Canada, 1967. 254 p. 4 plates, 2 maps.
- Diary of a Moravian missionary who accompanied Captain McClure on the voyage of H.M.S. Investigator as an interpreter. Contains an account of a brief encounter with aboriginal Mackenzie Eskimos.

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| 291 | MILLER, A.H. | 11453 |
| | Gravity in northwestern Canada. (Canada. Dominion Observatory. Publications, 1924. v. 8, no. 6, p. 83-109, tables, map) | |
| | Contains a description of the stations occupied during the 1922 season, including Arctic Red River; description of methods of reduction; a summary of results; and the depth of compensation for the 9 field stations. | |
| 292 | MILLER, A.H. | 11454 |
| | Gravity results in the Mackenzie Basin. (American journal of science, May 1924. Ser. 5, v. 7, p. 411-12) | |
| | Brief summary of results of the Dominion Observatories expeditions 1921-22, full scientific report of which was published as Miller's <u>Gravity in northwestern Canada</u> , 1924. | |
| 293 | MILLER, M. | 11469 |
| | The great trek; the story of the five-year drive of a reindeer herd through the icy wastes of Alaska and northwestern Canada. Garden City, N.Y., Doubleday, Doran & Co., Inc., 1935. 224 p. 1 illus., 16 plates (part double) ports., map on lining-paper. | |
| | Popular account, based on records, charts and other data furnished to the author by Lomen Bros., who had contracted with the Canadian Government to deliver 3,000 head of reindeer to the Mackenzie flats, 1929-1934. | |
| 294 | MOONEY, J. | |
| | Aboriginal population of America north of Mexico. Smithsonian Miscellaneaous Collection, v. 80, no. 7, Washington, 1928. 40 p. | |
| | Population estimates of native populations in the 16th and 17th centuries compared with populations in 1906-07. Contains sections on Eastern Canada, Central Canada (including the Northwest Territories) and Alaska. Drastic decreases in the populations of these areas are largely attributed to diseases introduced by the white man. An extensive bibliography is included. | |

- 295 MOORE, A. 11701

Survey of education in the Mackenzie District. Arctic Survey. 2. (Canadian journal of economics and political science, Feb. 1945, v. 11, p. 61-82) Reprinted as: Dawson, C.A., ed. The new Northwest, 1947, pt. 9, p. 243-69.

Based on visits to settlements, including Aklavik and Fort McPherson in July-August 1944, to Indian residential and day schools.

296 MORICE, ADRIAN G. 11734

Notes, archaeological, industrial and sociological on the western Dénés with an ethnographical sketch of the same. (Royal Canadian Institute. Transactions, 1892-93. v. 4, p. 1-222, 199 illus.)

Contains detailed description of the material culture and its uses among these western Athapaskan Indians. Also contains a summary of the distribution of Athapaskan tribes, and notes on plants, myths, etc.

297 MÜLLER, F. 74138

Analysis of some stratigraphic observations and radiocarbon dates from two pingos in the Mackenzie Delta area, N.W.T. (Arctic, Dec. 1962, v. 15, no. 4, p. 278-88, illus., map, diagrams) 13 refs.

Reports investigations of the Ibyuk and Aitiyok pingos near Tuktoyaktuk, in May-July 1955. Pingo age is estimated at 7-10,000 yrs. for Ibyuk, 4,000 yrs. for Aitiyok. Occurrence of a late Wisconsin glaciation is indicated.

298 MÜLLER, F. 60345

Beobachten über Pingos; Detailuntersuchungen in Ostgrönland und in der konadischen Arktis. With an English summary. Kobenhavn, C.A. Reitzel, 1959. 127 p. illus., plates, maps, diagrams. (Meddelelser on Grønland, bd. 153, nr. 3) Approx. 130 refs incl. 7 to maps. Text in German. Title tr: Observations on pingos; detailed investigation in East Greenland and in the Canadian Arctic.

Reports investigations of 13 pingos in E. Greenland and 2 in the northeastern Mackenzie Delta. The conical-shaped hills rising to approx. 160 ft. and occurring in active form only in permafrost regions, are described in detail.

- 299 MUNICIPAL UTILITIES MAGAZINE. 46896
- Ingenious device used in arctic community. (Its: Nov. 1956, v. 94, no. 11, p. 25, col. 3)
- Contains brief reference to the insulated utilidor adopted for use at the new site of Aklavik. All the public utility facilities, including water, sewer, hot-water, electricity, and telephone, will be housed in a common utilidor.
- 300 MURDOCH, JOHN. 11883
- Ethnological results of the Point Barrow expedition. (U.S. Bureau of American Ethnology. Ninth annual report, 1887-88, pub. 1892. p. 3-441, 428 illus., 2 maps)
- Contains some references to the Mackenzie Eskimo.
- MURPHY, D.F. See #397.
- 301 NADEAU, E. 11938
- Bûcherons du Grand Nord. (La Bannière de Marie-Immaculée, 1946. Année 54, p. 59-67, illus.) Title tr: Lumbermen of the Far North.
- Account of a tour of the Oblate missions along the Mackenzie River from Aklavik to Fort Simpson.
- 302 NASH, D.W. 24570
- Arctic farmer. (Country guide, Mar. 1949, v. 68, p. 13, 34-35 illus.)
- Contains an account of E.W. Hogan, Superintendent of the Dominion Government Reindeer Station at Aklavik; his reindeer herds of 4000 and 2000 head; history and description of Aklavik; the climate; the Eskimo, etc.
- 303 NAUTISK TIDSKRIFT. 53516
- Vattenvägarna i norra Canada. (Its: June-July 1957. arg. 50, nr. 6-7, p. 182-85, illus., map) Test in Swedish. Title tr: Waterways in northern Canada.

Brief description of shipping and navigation on the 4,022 km. Mackenzie River system, and the delta channels, serving Aklavik and Tuktoyaktuk (Port Brabant). Shipping to Aklavik exceeds 25,000 t. annually, that from Aklavik is about 4,200 t.

304 **NICHOLLS, GRABURN.**

Permafrost preservation value proved by Inuvik, N.W.T., experience. (Public works in Canada, v. 12, no. 3, Sept. 1964, p. 9-10, illus.)

The construction experience at Inuvik has shown that piles driven through the active top layer of soil into the permanently frozen ground successfully resist uplifting and settling of structures built in permafrost areas.

305 **NORTH.** 74393

The Mackenzie Delta logging project. (North, Jan.-Feb. 1962, v. 9, no. 1, p. 39)

Describes the Dept. of Northern Affairs project initiated in 1960 as a work-relief measure which developed into a lumbering operation with industrial potential. Log delivery, milling, and lumber yardage are carried on by local Indians and Eskimos.

306 **NORTH PACIFIC PLANNING PROJECT.** 12548

Canada's new Northwest: a study of the present and future development of Mackenzie District of the Northwest Territories, Yukon Territory and the northern parts of Alberta and British Columbia, 1947. Ottawa, King's Printer, 1948. 155 p. 7 maps (6 fold.), 3 diagrams, (1 fold.)

Narrative summary of work by the project, initiated by U.S. and Canada in 1943 to explore economic possibilities, development of natural resources, welfare of native peoples, and defence of the region. Canadian area lies between 53°N and the Arctic Ocean, and west from Athabaska River and 110°W to the Pacific Ocean and Alaska.

307 **NORTHERN AFFAIRS BULLETIN.** 47091

V. 3, no. 1-8, Jan.-Dec. 1956. Ottawa, Dept. of Northern Affairs and National Resources, 1956 — in progress.

News notes include: Construction work at East Three, new site of Aklavik during 1955-56 with 10 photographs of buildings and roads in Sept. 1965. (no. 1, p. 3-4; no. 5, p. 13; no. 8, p. 9-13); Reindeer roundup, Dec. 1955, of the five herds in the Aklavik area, Mackenzie District; study of bone weakness in the animals is being made, forage and grazing conditions investigated (no. 1, p. 10)

308 **NORTHERN CANADA POWER COMMISSION.** 53653

Annual report of the fiscal year ended March 31, 1957, 1958. Ottawa, 1957, 1958. 2 v. illus., maps incl. 1 fold.

Summarizes operations of 1948-58; reports on a utility project at the new site of Aklavik (Inuvik) to be completed in May, 1959.

309 **NORTHWEST TERRITORIES POWER COMMISSION.** 47095

Annual report. . . for the fiscal year ended 31 March, 1956. Ottawa, 1954. 20 p., fold. map.

Contains plans for new townsite of Aklavik; legislation with regard to Aklavik project.

310 **NOWOSAD, F.S.** 53671

Agricultural research in sub-arctic and arctic Canada. (Canadian geographical journal, Sept. 1958, v. 57, no. 3, p. 100-103, illus.)

Discusses agricultural possibilities on the basis of findings at the Dept. of Agriculture's experimental sub-stations. The Fort Simpson sub-station is supervising the landscape and garden work at the new town of Inuvik.

311 **NOWOSAD, F.S.** 67141

Farming in the sub-Arctic. (Agricultural Institute review, Jan.-Feb. 1959, p. 11-14, illus., tables)

Contains information on the general subject of agriculture in the Canadian North. Reference is made to acreage and potential of the Mackenzie River Valley, in particular, Ft. Simpson, Aklavik and Inuvik.

317 NUTE, G.L.

Paris to Peel's River in 1892. (Beaver, Outfit 278, Mar. 1948, p. 19-23); Down North in 1892. (Beaver, Outfit 279, June 1948, p. 42-46)

Account of Elizabeth Taylor's trip from Edmonton to Peel's River (Fort McPherson) in 1892 for the purpose of collecting biological specimens. Notes about the people and life on the river.

318 O'BRIEN, J.S.

12644

Alone across the top of the world; the authorized story of the arctic journey of David Irwin. Chicago, Philadelphia, J.C. Winston Co., 1935. 254 p.

Narrative of Irwin's sledge journey from Barter Island to Baker Lake. Describes his experience and the customs of the Eskimos among whom he lived.

319 OGILVIE, W.

Exploratory survey of part of the Lewes, Tat-on-Duc, Porcupine, Bell, Trout, Peel and Mackenzie Rivers. Ottawa, Queen's Printer, 1890. 113 p., tables.

The section on the Mackenzie area contains information on the navigability of various streams and lakes, timber resources, agricultural capabilities, fish, furs, minerals, the natives, magnetic and meteorological observations, etc.

320 OILWEEK.

67185

Arctic seismic program is most northerly in Canada. (Its: Aug. 27, 1960, v. 11, no. 28, 15-16, illus., map)

Describes Accurate Exploration Ltd.'s use of the StraTometer, a new seismic survey instrument, offshore near Tuktoyaktuk, also surveys by several oil companies on the Anderson, Mackenzie and Arctic Red Rivers.

321 OILWEEK.

Offshore oil potential rivals western Canada. (Its: v. 17, no. 27, Aug. 22, 1966, p. 30-46)

Assessment of Canada's offshore oil potential and review of current and projected activity. A section on the Beaufort Sea-Mackenzie Delta area (p. 43-46) by George M. Collins reveals that the area may contain as much as 12.8 million barrels of recoverable oil.

322 O'NEILL, J.J. 12828

Geological reports, Canadian Arctic Expedition 1915-1916. (Canada. Geological Survey. Summary report, 1915, pub. 1916, p. 236-41; ibid. 1916, pub. 1917, p. 331-34)

Includes accounts of reconnaissances on Herschel Island, the Mackenzie River delta from the expedition's beginning in 1913 to August 1915.

323 O'NEILL, J.J. 12829

Geology of the Arctic coast of Canada, west of the Kent Peninsula. (Rept. of the Canadian Arctic Expedition. 1913-18, v. 11, 1924. Geography, pt. A, p. 3A-107A)

Contains physical features, general geology, and details of the arctic coast from the Alaskan boundary to Bathurst Inlet. Description of the Mackenzie Delta p. 15A-18A.

324 ONTARIO RESEARCH FOUNDATION. 12842

Our Canadian reindeer herd. (Its: Bulletin, Dec. 1938, v. 5, no. 12, p. 5-8, illus.)

Note on the possibilities for the reindeer industry in the Mackenzie Delta region, on the characteristics of the reindeer, its meat, milk, fur and skin.

325 ORION. 47193

Aklavik zieht um. (Its: Nov. 1954. Jahrg. 9, Heft 21/22, p. 883) Text in German. Title tr: Aklavik moves.

Contains a brief discussion of the pending move of the settlement of Aklavik scheduled to start in the winter of 1955-56. House will be transported by sleds and tractors and erected on prepared foundations at the new site. Unfavorable soil and sanitary conditions are among the reasons for the move.

- 326 OSBORNE, DOUGLAS. 24875
- Late Eskimo archaeology in the Western Mackenzie Delta area. (American antiquity, July 1952, v. 18, no. 1, p. 30-39)
- Report on a 9 day exploration trip to the shore areas along the arctic coast between Shingle Point and Blow River, Yukon Territory. Ten Eskimo graves and 5 house sites were discovered and examined.
- 327 OSGOOD, CORNELIUS. 12905
- Contributions to the ethnography of the Kutchin. Published for the Section of Anthropology, Dept. of the Social Sciences, Yale University, by the Yale University Press, New Haven, 1936. 189 p. (Yale University publications in Anthropology, no. 14)
- Thorough study of this Athapaskan tribal group, 130° – 150°W, north of 65°. Bibliography included.
- 328 OSGOOD, CORNELIUS. 12906
- The distribution of the northern Athapaskan Indians. New Haven, published for the Section of Anthropology, Dept. of the Social Sciences, Yale University, by the Yale University Press, 1936. 23 p., illus. (Yale University publications in anthropology, no. 7)
- Defines and gives the geographical location of the northern Athapaskan tribes and the sub-groups of which they are composed.
- 329 OSGOOD, CORNELIUS. 12910
- Kutchin tribal distribution and synonymy. (American anthropologist, 1934, new ser., v. 36, p. 168-79)
- Discussion and list, with notes on localities and names of eight (and seven "so-called") Kutchin tribes.
- 330 PANTENBURG, V. 53858
- Eine Stadt wird verlegt: Aklavik, Kanadas erste moderne Stadt in der Arktis. (Kosmos, Dec. 1957. Jahrg. 53, Heft 12, p. 569-75, 9 illus., map) Text in German. Title tr: A town is relocated: Aklavik, Canada's first modern town in the Arctic.

Outlines the development of the settlement from 1912, disadvantages of the site, and establishment of the new site of Inuvik.

331 **PEAKE, FRANK A.**

The bishop who ate his boots. A biography of Isaac O. Stringer. Don Mills, Ontario, The Anglican Church of Canada, 1966. 190 p. 16 plates.

A biography of an Anglican bishop, who spent many years in the Canadian north, including the area of the Mackenzie Delta.

332 **PEAKE, FRANK A.**

The life and work of Isaac O. Stringer, D.D. Archbishop of Rupert's Land, sometime Bishop of Yukon, First Missionary to the Eskimos at Herschel Island. Unpublished D.D. thesis, General Synod of Canada. London, Ontario, 1964.

Forms the basis of Peake's biography of Bishop Stringer, The bishop who ate his boots, above.

333 **PENNIE, A.M.**

A new craft on the Mackenzie Delta. (Beaver, Spring 1967, Outfit 297, p. 34-36) 4 plates.

General description of the hovercraft trials in the Mackenzie Delta in the winter of 1966.

PENTLAND, A.G. See #7.

334 **PETITOT, ÉMILE F.S.J.**

13403

Dictionnaire de la langue Dènè-dindjié, dialectes Montagnais ou Chippewayan, Peaux de lièvre et Loucheux, renferment en outre un grand nombre de termes propres à sept autres dialectes de la même langue; précédé d'une monographie des Dènè-dindjie, d'une grammaire et de tableaux synoptiques des conjugaisons. Paris, E. Leroux, San Francisco, A.L. Bancroft & Co., 1876. 367 p., fold. map, 5 fold. tables. Title tr: Dictionary of the Dènè-dindjié language, Mountain or Chippewyan, Hare and Loucheux dialects, including also a large number

of expressions peculiar to seven other dialects of the same language; preceded by a monograph of the Dènè-dindjié, a grammar, and a synoptic table of conjugations.

Contains a general description of the Dènè-dindjié (various Athapaskan tribes) in northern Canada. Also contains a map (scale 1:2,100,000) showing distribution of Indian and Eskimo tribes in the Mackenzie basin.

335 PETITOT, ÉMILE F.S.J. 13404

Documents sur la géologie du bassin du Mackenzie. (Société géologique de France. Bulletin, 1874-75, pub. 1875. Sér. 3, t. 3, p. 87-93, 611-12) Title tr: Documents on the Geology of the Mackenzie Basin.

Contains list of nine Devonian invertebrate fossils; notes containing remarks on the materials used by the Eskimos (from Colville River, Alaska, to Cape Bathurst, N.W.T.) and the Indians of Great Slave Lake and Fort Good Hope; and a geological description of the region.

336 PETITOT, ÉMILE F.S.J. 13406

Géographie de 'Athabaskaw-Mackenzie et des grands lacs du bassin arctique. (Société de Géographie, Paris. Bulletin, 1875. Sér. 6, t. 10, p. 5-42, 126-83, 242-90, tables, sketch map)

Gives an historical resumé of French and British explorations in North America 17th-19th centuries, a geographic summary of his own journeys, 1864-72; a description of the topography, rocks, routes, trading posts, natives, rivers, and lakes of the Mackenzie Basin; physical, climatic, and commerical aspects of the Mackenzie (incl. the Hudson's Bay Co. and the fur trade).

337 PETITOT, ÉMILE F.S.J. 13407

Les grands Esquimaux. Paris, E. Plon, Nourrit et cie, 1887. 3 p. 1. 307 p., 2 l. front., (port.) 6 plates, fold. map.

Narrative of the author's travels (as missionary and explorer) among the Eskimos of the Mackenzie Delta region, 1862-83; with his observations on their customs, physical and mental characteristics, their beliefs, language and material culture.

- 338 PETITOT, ÉMILE F.S.J.

Monographie des Esquimaux Tchiglit du Mackenzie et de l'Anderson. Paris, E. Leroux, 1876. 28 p.

General description of these people, found at the mouths of the Mackenzie and Anderson Rivers.

- 339 PHILLIPS, A. 82069

The checkered career of an arctic priest. (MacLean's magazine, 1957, v. 70, no. 1, p. 16-21, illus.)

Describes the activities of Father Bernard Brown, based at Aklavik and Inuvik, mainly among Indians.

- 340 PIHLAINEN, J.A. 25089

Building foundations on permafrost, Mackenzie Valley, N.W.T. Ottawa, June 1951. 37 p., illus. (National Research Council. Division of Building Research. Technical report no. 8, D.B.R. no.22)

In summer 1950, 250 permanent buildings were investigated, including some at Aklavik, Arctic Red River and Fort McPherson. Pile driving concrete pad footings and concrete wall footings constitute satisfactory buried foundations when constructed on suitable sites.

- 341 PIHLAINEN, J.A. 82087

Inuvik, N.W.T., Engineering site information. (National Research Council, Division of Building Research, Technical Paper 135, 36 p., Ottawa, 1963)

Summarizes results of extensive studies carried out in 1954 prior to moving Aklavik to another site. Terrain features and site conditions are described as they were before and after townsite for Inuvik was selected.

- 342 PIHLAINEN, J.A. 31309

Investigations of small buildings in permafrost. (National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. Technical Memorandum no. 10, Apr. 1951. Proceedings of the 1950 Soil Mechanics Conference. p. 11-15)

Contains results of a survey of construction techniques used for small building foundations on permafrost. The survey, by four men in 1950, includes stops at Arctic Red River, Fort MacPherson, and Aklavik.

- 343 PIHLAINEN, J.A., and G.H. JOHNSTON. 36762

Permafrost investigations at Aklavik: 1953 drilling and sampling. Ottawa, Jan. 1954. 26, 10, 2, 9 p. illus., diagrams, graphs, 3 tables. Mimeo. (National Research Council of Canada. Division of Building Research. Technical Paper no. 16, NRC no. 3393) 8 refs.

Results of soil testing and description of Aklavik soils are given. Note on the statistical analysis of Aklavik moisture contents with depth is appended.

- 344 PIHLAINEN, J.A. 60882

Pile construction in permafrost. (American Society of Civil Engineers. Soil Mechanics and Foundations Division. Journal, Dec. 1959, v. 85, no. SM 6, pt. 1. p. 75-95, illus., tables, graphs, diagrams, map) 18 refs.

Reviews construction problems and practices in northern Canada and discusses design considerations for pile foundations. Data on costs at Aklavik and Inuvik are cited.

- 345 PIHLAINEN, J.A. R.J.E. BROWN, and R.F. LEGGET. 47352

Pingo in the Mackenzie Delta, Northwest Territories, Canada. (Geological Society of America. Bulletin, Aug. 1956. v. 67, no. 8, p. 1119-22, illus., text map, diagrams, graph) 7 refs. Also pub. as: National Research Council of Canada. Division of Building Research, Research Paper no. 27.

Reconnaissance survey was made in summer 1954 of a pingo at approximately 69° 02'N., 134° 25'W.; two borings were drilled: in the crater and at outer edge. Core-drilling records are given; also ground temperature observations below surface of crater.

- 346 PIHLAINEN, J.A., R.J.E. BROWN, and G.H. JOHNSTON. 47353

Soils in some areas of the Mackenzie River delta region. Ottawa, Oct. 1956. 51 p., 8 illus., text maps, diagrams, graphs, 2 tables.

(National Research Council of Canada. Division of Building Research. Technical Paper no. 43) 4 refs.

First compilation of soils data for this region, which lies in a zone of continuous permafrost. Information was collected in 1953 and 1954 at Aklavik and during survey for its new location. Physical geography of the delta region is sketched, and soil conditions typical of the delta proper are described.

PIHLAINEN, J.A. See #40,287.

347

PILLING, JAMES. C.

Bibliography of the Athapascan languages. Washington, D.C., Government Printing Office, 1892. 125 p. (Smithsonian Institution, Bureau of American Ethnology Linguistic Bibliography [No. 6].

Contains listings of the works and religious translations of W.C. Bompas, R. McDonald, and E.F.S.J. Petitot, and others who were concerned with the Mackenzie Delta. Contains work on the languages of the Déné, Kutchin, Loucheux, Peau de Lièvre, Tukudh, etc. 544 titular entries.

348

PLUMMER H.C.

41895

Aklavik airfield. (Canadian aviation, June 1954, v. 27, no. 6, p. 84, 86, 2 illus.)

Discusses plan for construction of an airfield when a townsite for relocation of Aklavik is decided upon. The airfield will enable through flight from Yellowknife, 1,200 miles to the southeast, of heavy passenger and cargo transports.

349

POLAR RECORD.

47384

News Notes. (Its: 1956, v. 8, no. 52-54)

Includes: Reasons for transfer of Aklavik from West to East Channel of Mackenzie River, and factors by which suitability of potential sites was judged during relocation survey (no. 53, p. 178-179)

359 **PORSILD, A.E.**

Report on the reindeer and the Mackenzie Delta Reindeer Grazing Reserve. Notes on condition of reindeer herd, pasture and progress of reindeer experiment, etc., July-August 1947. (Canada. National Museum. Typescript, duplicated. 42 p. map.)

Headings include: the reindeer station, pasture, transportation, losses of reindeer, marketing of meat, personnel, rations and equipment, conclusions and recommendations.

360 **PREBLE, E.A.**

13921

A biological investigation of the Athabasca-Mackenzie region. Washington, U.S. Govt. Print. Office, 1908. 574 p. illus. (incl. 4 sketch maps) 25 plates (incl. 4 maps, 1 fold.) (U.S. Biological Survey. North American fauna, no. 27)

The results of surveys 1901-04. Physical geography and climatology of the Mackenzie basin; previous explorations and collections (1770-1907); extensive notes on mammals, birds, reptiles, and batrachians) fish, trees and shrubs.

361 **PRECAMBRIAN.**

13927

The search for oil in the Northwest Territories. (Its: May 1944, v. 17, no. 5, p. 9, 11, sketch map)

Statement and discussion of the Canadian government's one million square miles reserve for petroleum exploration, including Yukon Territory and the Mackenzie District to a line about 75 miles east of and parallel to the Mackenzie River channel.

362 **PRICE, A.**

25286

Mackenzie River sketchbook. (Beaver, March 1952, Outfit 282, no. 4, p. 27-34, illus., map)

Reproduction of 14 sketches of scenes, settlements and activities in the Mackenzie valley by a Canadian artist.

- 363 **PRITCHARD, GORDON B.** 74956
- Inuvik, Canada's new arctic town. (*Canadian geographical journal*, June 1962, v. 64, no. 6, p. 200-209, illus. map)
- Review of the construction from 1954-1961 of Inuvik. Describes site selection, town planning, permafrost problems, facilities, etc. (Similar article in *Polar Record*, May 1962, v. 2, no. 71, p. 145-54)
- 364 **PRITCHARD, GORDON B.**
- New town in the far north. (*The geographical magazine*, Sept. 1964, p. 344-357, illus.)
- General description of the history and geography of the Mackenzie Delta, and the construction and facilities of Inuvik.
- 365 **PULLEN, W.J.S.**
- Pullen in search of Franklin. (*Beaver*, Outfit 277, p. 40-43, March 1947; Outfit 278, p. 22-25, June 1947)
- Account of Pullen's unsuccessful search for Sir John Franklin in 1849-50 along the Arctic Coast between Wainwright Inlet, Alaska, and the delta of the Mackenzie.
- 366 **RAE, JOHN.** 14099
- On the Esquimaux. (*Ethnological Society of London. Transactions*, 1866. n.s., v. 4, p. 138-53)
- Includes a short (2 p.) description of the Eskimos of the Mackenzie River and delta.
- 367 **RASMUSSEN, K.J.V.** 14217
- The Mackenzie Eskimos after Knud Rasmussen's posthumous notes, edited by H. Ostermann. Copenhagen, Gyldendal, 1942. 164, [2] p. illus. (incl. ports.) (*Thule Expedition*, 5th, 1921-24. Report 1927-45. v. 10, no. 2)
- Includes diary of sledge journey from Kent Peninsula to the Mackenzie River delta, Jan. 16-Apr. 11, 1924; general remarks on the

Mackenzie Eskimos and their successfully adopted modern fur and fishing economy; and other aspects of their spiritual life, etc.

368 R.C.M.P. QUARTERLY. 37155A

Moving: one arctic town. (Its: April 1954, v. 19, no. 4, p. 311-13, 4 illus.)

Popular account of plans for relocation of Aklavik.

369 RENSAA, E.M. 61164

Building at Inuvik; the school and hostel project. (Northern affairs bulletin, Nov.-Dec. 1959, v. 6, no. 5, p. 5-9, illus.) Reprinted from Canadian consulting engineer.

Describes the construction of these three wooden buildings, the largest at Inuvik, each divided into three sections by fire-resistant cross walls and equipped with sprinkler systems.

RICE, H.M. See #105.

370 RICHARDS, H.G. 37034

Geological studies in the Mackenzie Delta, arctic Canada. (Earth science digest, Apr. 1950, v. 4, no. 9, p. 3-6, illus.) 2 refs.

From 1948 field work no evidence was found of Pleistocene marine submergence in the immediate vicinity of the delta, but Pleistocene marine fossils were found west of it.

371 RICHARDS, H.G. 25521

Postglacial marine submergence of arctic North America with special reference to the Mackenzie Delta. (American Philosophical Society. Proceedings, Feb. 1950, v. 94, p. 31-37, illus.)

"Resumé of the late Pleistocene history of the northeast and arctic coasts of North America", followed by author's observations made in the Mackenzie Delta in 1948.

- 372 **RICHARDSON, SIR JOHN.** 14489
- Arctic searching expedition: a journey of a boat-voyage through Rupert's Land and the Arctic Sea, in search of the discovery ships under command of Sir John Franklin. With an appendix of the physical geography of North America. London, Longman, Brown, Green, and Longmans, 1851. 2 vols. v. 1: viii, 413, [1] p., 8 illus., 9 col. plates, col. fold. map; v. 2: vii, 426 p., col. plate. Another edition was published in New York by Harper, 1852 (516 p.) with text and figures in the text unchanged, but without plates and map.
- Contains the journal of Richardson's and Dr. John Rae's expedition in the summer and fall of 1848, down the Mackenzie River and (by boat) eastward along the coast to Coppermine River; includes chapters on Eskimos, Kutchin, Cree and Chipewyan Indians. Appended is information on physical geography, climatology, plants, insects, and native vocabularies.
- 373 **RICHARDSON, SIR JOHN.** 14507
- Topographical and geological notices. (In: Franklin, Sir, J. Narrative of a second expedition, 1825-27, pub. 1828. Appendix 1, p. 1-ivii, plate)
- Includes description of the rocks and formations around the Mackenzie Basin and the sea coast east of Mackenzie River to the Coppermine River, including mention of liquite deposits.
- 374 **RIDGE, F.G.** 37038
- General principles for the planning of sub-arctic settlements. Ph.D. Thesis in geography to McGill University, Montreal, Aug. 1953. viii, 569, 9 p. illus., 19 text maps, 9 tables. Typescript. 76 refs.
- Contains a study of the most important settlements of Yukon Territory and Mackenzie District to show present conditions and development, and to indicate scope and direction of planned future development. An intensive study of Aklavik is included.
- 375 **RISTVEDT, P.** 47597
- Minner fra "Gjøa"—ferden; en deltager forteller. (Polarboken, 1956, p. 137-46, illus.) Text in Norwegian. Title tr: Remembrances from the Gjøa trip as recounted by a participant.

In August 1905, the Gjøa resumed the voyage westward, met the whaler, Charles Hanson, and continued to the Mackenzie Delta where the crew spent the winter.

- 376 **ROBERTS, HELEN H., and D. JENNESS.** 14673

Songs of the Copper Eskimos. Ottawa, King's Printer, 1925. 506 p. (Canadian Arctic Expedition, 1913-18. Report. v. 14: Eskimo songs)

Songs (texts and musical notation) of Copper Eskimos. Includes some from the Mackenzie River and Herschel Island area for comparative purposes.

- 377 **ROBERTS, L.** 14676

The Mackenzie; illus. by Thoreau MacDonald. New York, Rinehart Roberts, 1949. xii, 276 p. illus., maps. (Rivers of America)

Sketch for general readers of the geography, history, and native peoples of the Mackenzie basin; discovery of the river, exploratory expeditions, search for the Northwest Passage; development of the fur trade, and trading companies; recent gold, uranium and oil discoveries, etc.

- 378 **ROBERTSON, GORDON.**

Moving an Arctic town — the problem of Aklavik. (Address to the Royal Canadian Institute, Toronto, March 10, 1956. Mimeographed. Ottawa, Dept. of Northern Affairs and National Resources, 17 p.)

Outlines the problems which prompted the decision to move Aklavik to a new site; and the problems and steps taken to solve them in building the new town.

- 379 **ROBERTSON, R.G.** 42105

Aklavik, a problem and its solution. (Canadian geographical journal, June 1955, v. 50, no. 6, p. 196-205, 12 illus., text map) Refs.

Discusses the present town site, and problems of transport, building, water supply, and sewage disposal resulting from mud during the break-up to freeze-up period. The search for, and choice of, the new site are discussed.

ROBINSON, D.L. See #187.

380 ROBINSON, J.L. 25596

Canada's western Arctic. (Canadian geographical journal, Dec. 1948, v. 37, p. 242-60, illus., map)

General description of the physiography, climate, resources, population and transportation, and a sketch of the history of the southwestern arctic islands, and the area north of the tree line and west of Boothia Peninsula.

381 ROBINSON, J.L. 14694

Land use possibilities in Mackenzie District, N.W.T. (Canadian geographical journal, July 1945, v. 31, p. 30-47, illus., sketch map, tables, diagrams)

Contains discussion of topography, soils, climate, present agriculture, food imports, forest utilization and government assistance in Mackenzie District, with a bibliography.

382 ROBINSON, J.L. 14699

Water transportation in the Canadian Northwest. (Canadian geographical journal, Nov. 1945, v. 31, p. 236-56, illus., 2 maps)

Contains notes on historical background, a concise description of the ice, the series of rivers and lakes, the portages, navigational difficulties (rapids, sandbars, etc.) and the delta of the Mackenzie River waterway.

ROBINSON, J.L. See #384, 385.

383 ROBINSON, J.M. 67759

Forest resources of the Mackenzie River basin, Northwest Territories. (Polar record, Sept. 1960, v. 10, no. 66, p. 231-36, plate, map)

Reports on timber resources and their potential use in this drainage basin. The various forested regions are described, and areas suitable for saw-timber, also for pitprops and polewood, are mapped.

- 384 **ROBINSON, M.J., and J.L. ROBINSON.** 14701
- Exploration and settlement in Mackenzie District, N.W.T. (Canadian geographical journal, June-July 1946, v. 32, p. 246-55; v. 33, p. 43-49, illus., 2 sketch maps)
- Contains account of early exploration, missionary activity, scientific exploration, R.C.M.P., settlements along the arctic coast of the district, and present-day settlements in Mackenzie valley; with a table showing chronology of first settlement in the valley, and a bibliography.
- 385 **ROBINSON, M.J., and J.L. ROBINSON.** 14702
- Fur production in the Northwest Territories. (Canadian geographical journal, Jan. 1946, v. 32, p. 34-48, illus. 3 maps, diagrams) Reprinted in Dawson, C.A., ed. The new North-West, 1947, pt. 5.
- Contains a history of the early fur trade, game regulations, and analysis of the present fur trade in the Mackenzie Delta and elsewhere in northern Canada.
- 386 **ROGERS, C.C.** 14747
- On the Rat River. (Canadian geographical journal, Jan. 1931, v. 2, p. 48-57, illus., sketch map)
- Account of nine days' canoeing up the Rat River on a trip from Aklavik to Fort Yukon in July, 1930. Photographs show Aklavik and inhabitants of the region.
- 387 **ROSS, B.R.** 14850
- On the Indian tribes of McKenzie River district and the arctic coast. (Canadian naturalist, 1859, v. 4, p. 190-197)
- A "sketch of the language and manners of Chipewyan tribes," giving geographical distribution, the various branches of which the tribes are composed, and an account of other tribes of different origin to be found in the Mackenzie River region.

- 388 RUSSELL, A.J. 15018
- The River Mackenzie. (American Geographical Society N.Y., Journal, 1876, pub. 1890. v. 8 (2d ed.) p. 305-11)
- Description of the length, course and tributaries of the Mackenzie River, including the Peace and Athabaska Rivers. Contains a very brief general description of the Mackenzie Delta.
- 389 RUSSELL, F. 82593
- Athabaskan myths. (Journal of American folklore, 1900, v. 13, no. 58, p. 11-18)
- Three Loucheux (Kutchin) myths and 2 Slave Indian legends.
- 390 RUSSELL, F. 15019
- Explorations in the far north; being the report of an expedition under the auspices of the University of Iowa during the years 1892, '93, and '94. [Iowa City], The University, 1898. vii p., 1 l., 290 p., 21 plates, fold. map.
- Includes narrative of author's journey down the Mackenzie River, to Herschel Island, with notes on natural history of the area.
- RUSSELL, W.A.C. See #223
- 391 SAINVILLE, E. de. 15184
- Voyage à l'embouchure de la Rivière Mackenzie (1889-1894). (Société de Géographie, Paris, Bulletin, 1898. Sér. 7, t. 19, p. 291-307, fold. map)
- Describes various stages of the journey from Edmonton to the delta, where he remained for several seasons; notes the landscape, trading posts and natives.
- 392 SAMOILOV, I.V. 25809
- Ust'ia rek. Moskva, Gos. izd-vo geog. liter., 1952. 525 p., illus. (132 figs.) Title tr: Mouths of rivers.

A complex study of USSR river mouths, with notes on the geological history of the mouth and data on delta formation, shore processes, hydrobiologic regime, climate, plankton and vegetation. The Yukon and Mackenzie River mouths are also dealt with.

393 SCHYTT, V. 42357

Glimtar från Kanadas Nordvästterritorier. (Ymer, 1955. Årg. 75, häfte 2, p. 97-115, illus., text map) Text in Swedish. Summary in English. Title tr: Glimpses of the Northwest Territories of Canada.

Impressions of a journey by air in March 1954 from Chicago, Ill., to Churchill, thence via Edmonton to Fort Smith, Hay River, Norman Wells and Aklavik. Information about the economy and population of the areas visited is given.

394 SCOTT, LLOYD.

The Loucheux. (Beaver, June 1953, Outfit 284, p. 26-7)

Short description of the Loucheux, accompanied by drawings.

395 SCOTTER, GEORGE W.

Catching the beluga. (North, v. 14, no. 4, July-August 1967, p. 46-48)

Description of techniques used in hunting and processing beluga or white whales in the Mackenzie Delta.

396 SELTZER, CARL C. 15710

The anthropometry of the Western and Copper Eskimos, based on data of Vilhjalmur Stefansson. (Human biology, 1933, v. 5, p. 313-70, map)

Contains tables of measurements of 526 Eskimos of northern Alaskan and Canadian coastal regions (Mackenzie Delta and Coronation Gulf), with remarks. Discusses relationship of Eskimo tribal groups.

- 397 **SEXTON, J.K., P. HAIL, and D.F. MURPHY.** 68121
- Pile construction in permafrost. (American Society of Civil Engineers. Soil Mechanics and Foundations Division. Journal, June 1960. v. 86, no. SM 3, p. 119-21, table) 2 refs.
- Few cases of foundation (piles) movement have been observed one year after construction at Inuvik. The piles were steamed in and frozen into the permafrost to a depth twice that of the active layer.
- 398 **SHERWOOD, A.** 68178
- Looking backward. (North, July-Oct. 1960, v. 7, no. 4-5, p. 52-55, illus.)
- Reproduces 32 photographs of communities, missions, dwellings, caches, and other structures mostly in Mackenzie District, during the 1920's.
- 399 **SIMPSON, T.** 16124
- Narrative of the discoveries on the north coast of America; effected by the officers of the Hudson's Bay Company during the years 1836-39. London, R. Bentley, 1843. xix, 491, [1] p. 2 fold. maps.
- Author's narrative, in journal form, Dec. 1, 1836- Feb. 2, 1840 of expedition with Peter Dease, and a party of 12 men to explore the northern coast of America from Mackenzie River westward to 71°23'N. 156°21'W., and from Coppermine River eastward to Back River.
- SIMPSON, T.** See #106.
- 400 **SINCLAIR, J.E.** 16128
- In the arctic wilds with reindeer. (Forest and outdoors, Feb. 1933, v. 29, p. 42-43, illus.)
- The story of Canada's great venture in herding 2300 food animals from Alaska to the starving aborigines of the Mackenzie Delta.

- 401 SLOBODIN, RICHARD. 83078
- Band organization of the Peel River Kutchin. Ottawa, Dept. of Northern Affairs and National Resources, 1962. 97 p. (Canada. National Museum Bulletin no. 179)
- Ethnographic study of this northerly Athapaskan speaking group.
- 402 SLOBODIN, RICHARD. 83079
- The Dawson Boys: Peel River Indians and the Klondike gold rush. (Polar notes, 1963, no. 5, p. 24-36)
- Describes the generally favorable effects of the 1898 gold rush on the Tetlit Kutchin (Peel River Indians).
- 403 SLOBODIN, RICHARD. 68344
- Eastern Kutchin warfare. (Anthropologica, 1960, n.s., v. 2, no. 1, p. 76-94)
- Study of this Athapaskan group's feuding with Eskimos at the time of European contact. Based on field work done mainly among the Peel River Band.
- 404 SLOBODIN, RICHARD.
- Kutchin polyandry and the culture of poverty. (Canada. Northern Co-ordination and Research Centre, Dept. of Northern Affairs, Ottawa, 1964. 15 p.
- Discussion of the eastern Kutchin of the Mackenzie River drainage: their use of pre-existing cultural traits, e.g. polyandry, to adjust to the conditions of poverty in which they now find themselves.
- 405 SLOBODIN, RICHARD.
- Metis of the Mackenzie District. Ottawa, Canadian Research Centre for Anthropology, 1966. 175 p.
- Description and analysis of the Mackenzie District Metis: the family, kinship, occupations, education, external relations, identity, and regional distinctions, based, in part, on data from Aklavik and Inuvik.

- 406 SLOBODIN, RICHARD. 68345
- Some social functions of Kutchin anxiety. (*American anthropologist*, Feb. 1960, v. 62, no. 1, p. 122-23)
- Study of the emotional stresses characteristic of this Peel River Group. Their fear of solitude and of the sole survivor of an accident, and the behaviour by and toward such an individual is discussed. The anxiety pattern is considered a reinforcement of social cohesion.
- 407 SLOBODIN, RICHARD. 83080
- The stolen girls. (*North*, 1963, v. 10, no. 4, p. 34-38, illus.)
- Recounts Kutchin Indian stories of girls stolen on raids by Mackenzie Eskimos.
- 408 SLOBODIN, RICHARD.
- The subarctic Metis as products and agents of culture contact. (*Arctic anthropology*, v. 2, 1964, p. 50-55)
- Discusses the changing status and role of the Metis, whose existence is a consequence of culture contact. They have also acted as "middlemen" in the diffusion of elements of Western civilization to the Eskimos and Indians, and it seems that a convergence towards Metis culture is taking place on the part of Indians, Eskimos, and lower-class whites in the North.
- 409 SMITH, DEREK G.
- The Mackenzie Delta — domestic economy of the native peoples. A preliminary study. Canada. Dept. of Indian Affairs and Northern Development, Northern Co-ordination and Research Centre, [1967]. 59 p. (Mackenzie Delta Research Project, MDRP 3)
- "This report explores the gap between economic aspirations and realizations for the native people of the Mackenzie Delta". (From author's abstract.)
- 410 SMITH, R.H., and R.P. ALLEN. 16339
- An aerial waterfowl reconnaissance of the far North. (*In*: Williams, C.S., and others. Waterfowl populations and breeding conditions (etc.), 1948. p. 5-12, sketch map)

Results of a survey June 4-Aug. 4, 1948 of areas including Mackenzie Delta, with data on ducks and geese.

- 411 SMITH, R.H., and C.H. LAWRENCE. 16338

Waterfowl breeding ground survey in the far North, 1949. (In: Crissey, W.F., and others. Waterfowl populations and breeding conditions – summer, 1949, pub. 1949. p. 3-11, sketch map)

Results of aerial surveys along the arctic coast between Old Crow River (Y.T.) and Perry River (N.W.T.), the lower Mackenzie River and around Great Slave Lake. Description of habitat types, population statistics of ducks and geese, and brief notes on nesting season, weather and water conditions.

- 412 SMITH, R.H., and E.L. SUTTON. 37485

Waterfowl breeding ground survey in northern Alberta, the Northwest Territories and the Yukon, 1953. (In: U.S. Fish and Wildlife Service. Waterfowl populations and breeding conditions, summer 1953, pub. 1954. Special Scientific report: Wildlife, no. 25, p. 7-15, text map, 13 tables)

Area covered included Mackenzie River drainage from 54°N. to the arctic coast. Tables show percent species composition and numbers of ducks, geese, and swans per sq. mile.

- 413 SOLMAN, V.E.F. 26342

An outbreak of rabies in Northwest Canada, 1951-2. (Arctic circular, Oct. 1952, v. 5, no. 5, p. 57)

Contains note of rabies in five dogs, four wolves, and 15 foxes found within 100 miles of Aklavik, Dec. 1951–May 1952.

- 414 SPENCE, I.

Human adaptation in the Mackenzie Delta. A study in facilitating the adjustment of the northern Indian and Eskimo to rapid social change. M.A. thesis. McGill University, Montreal, 1961. 262 p.

Study of the cultural adjustment problems of the Indians and Eskimos in Aklavik and Inuvik. The author proposes “an experimental project designed to test community development procedures as a means of solving these problems.”

415 SPROULE, J.C. 75887

Regional geology and petroleum prospects: lower Mackenzie basin and arctic coastal area, Northwest Territories. (In: International Symposium on Arctic Geology. Proceedings 1961. v. 2, p. 1141-48, table, 2 maps and diagr. fold, in v. 3)

Outlines the historical background and present status of geological exploration in this part of northern Canada, particularly those aspects relating to oil occurrence.

416 STAGER, JOHN K.

Alexander Mackenzie's exploration of the Grand River. (Geographical bulletin, 1965, v. 7, nos. 3 & 4, p. 213-241)

Account of the first of Mackenzie's explorations in 1789, when he explored and mapped the Mackenzie River.

417 STAGER, JOHN K.

Fur trading posts in the Mackenzie Region up to 1850. (Canadian Association of Geographers, British Columbia Division. Occasional Papers in Geography, v. 3, May 1962, p. 37-46)

Outline of the establishment and history of fur trading posts along the Mackenzie River.

418 STAGER, JOHN K. 48159

Progress report on the analysis of the characteristics and distribution of pingos east of the Mackenzie Delta. (Canadian geographer, 1956, no. 7, p. 13-20, text map, diagrams, 2 tables) 4 refs.

The locations and characteristics of 1380 pingos were recorded from study of aerial photographs and visit to the Mackenzie Delta in 1954. Nearly all are found in lake basins.

STAGER, J.K. See #261, 263.

Retrospective account of the author's experiences among the Eskimos of the Mackenzie Delta region and northern Alaska. Chapters on hunting caribou, seals and polar bears.

- 424 STEFANSSON, V. 16832

My life with the Eskimo. New York, Macmillan, 1913. iv, 538 p. front., plates, ports., 2 fold maps.

Narrative of the Stefansson-Anderson Arctic Expedition of the American Museum of Natural History, 1908-1912; itinerary included Great Slave-Mackenzie River eastward to Herschel Island.

- 425 STEFANSSON, V. 16841

Notes on the theory and treatment of diseases among the Mackenzie River Eskimo. (Journal of American folklore, 1908, v. 21, p. 43-45)

- 426 STEFANSSON, V. 16844

On the Mackenzie River. (American Geographical Society, N.Y. Bulletin, Mar. 1908, v. 40, p. 157-69, illus.)

General description of the country, settlements, regulations, navigational difficulties, Hudson's Bay Co., mosquitoes, game, and Eskimos, encountered during author's trip from the town of Athabaska to Herschel Island, 1906.

- 427 STEFANSSON, V. 16849

Prehistoric and present commerce among the Arctic Coast Eskimo. Ottawa, Government Printing Bureau, 1914. 29 p. (Canada. National Museum. Bulletin no. 6, Anthropological series, no.3)

On routes and articles of trade of the Copper and other Eskimos, arctic coast.

- 428 STEFANSSON, V. 16853

Religious beliefs of the Eskimo. (Harper's magazine, Nov. 1913, v. 127, p. 869-78)

Notes on beliefs of Mackenzje Eskimos.

- 429 STEFANSSON, V. 16862
- The Stefansson-Anderson Arctic expedition [of the American Museum]. New York, American Museum of Natural History, 1919. vii, 475 p., illus., fold, maps. (American Museum of Natural History. Anthropological papers, v. 14, pt. 1-2)
- The expedition was organized to make anthropological and zoological studies on the northern coast of Canada between Mackenzie River and Hudson Bay, and adjacent islands, 1908-1912. Includes observations on Eskimos of the Mackenzie Delta.
- 430 STEVENS, W.E. 37608
- The northwestern muskrat of the Mackenzie Delta, Northwest Territories, 1947-48. Ottawa, Oct. 1953. 46 p. 10 illus., text map, 4 tables. Mimeo. (Canada, Wildlife Service. Wildlife management bulletin, series 1, no. 8)
- Contains results of continuous investigations during June 7, 1947-Sept. 6, 1948. Concerned chiefly with the muskrat, Andatra zibethica spatulata Osgoode, basis of the fur trade economy in this region.
- 431 STEVENSON, A.
- Herschel haven. (North, v. 15, no. 6, November-December 1968, p. 24-32)
- Stories of the whaling era on Herschel Island: the arrival of the missionaries and misfortunes that befell the whalers.
- 432 STEVENSON, A.
- Lawless land. (North, v. 16, no. 1, Jan.-Feb. 1969, p. 23-30, illus.)
- Tells of the arrival of the RCMP at Herschel Island during the whaling era (1889-1906).
- 433 STEVENSON, A.
- Whalers' wait. (North, v. 15, no. 5, Sept.-Oct. 1968, p. 24-31)
- Stories of the Herschel Island whaling era of 1889-1906.

- 434 STEWART, D.
- Summer fun for Inuvik. (North, 1965, v. 12 no. 1, p. 40-43, illus.)
- Report on the formation and program of the Inuvik Summer Recreation Program for children between ages 6 and 12. Teenagers provided the leadership and supervision for the two-week program, which included games, sports, crafts, and a library.
- 435 STEWART, E. 17011
- Down the Mackenzie and up the Yukon in 1906. London, J. Lane; New York, John Lane Co.; (etc., etc.) 1913. 270 p. 30 plates (incl. front.) fold. map.
- Account for general readers, based on a report to the Canadian government, of the author's journey as Superintendent of Forestry, along the Athabaska, Slave and Mackenzie Rivers.
- 436 STEWART, E. 42670
- Early days at Fort McPherson. (Beaver, Winter 1954, Outfit 285, p. 39-41, 4 illus.)
- Account of coming of the first Hudson's Bay Company boat up Peel River, building of Fort McPherson, and seasonal activities of the Loucheux Indians of the river country.
- 437 STEWART, E.
- Fort McPherson and the Peel River area. (Unpublished, M.A. thesis, Dept. of History, Queen's University, Kingston, Ont., 1955)
- Traces the history of the Peel River area, with special emphasis on the Kutchin tribes and their relationship with white men: missionary activity, trading, etc. Contains chapters on the customs, etc. of the Kutchin, the fur trade, Christian missions, government, and the geography of the area.
- 438 STOCKTON, CHARLES H. 17028
- The arctic cruise of the U.S.S. Thetis in the summer and autumn of 1889. (National geographic magazine, 1890. v. 2, p. 171-98, plate, fold. map)

Narrative of a sealing and whaling cruise which went from the Pribilof Islands, along the Alaskan coast to Herschel Island (p. 188-190) and back by way of Herald Island. Includes remarks on ice conditions and North Alaska Eskimos.

STORR, J.W. See #93.

439 SULLIVAN, M. 83345

Down north. (Habitat, Ottawa, 1960. v. 3, no. 2, p. 11-16, illus.)
(Reprinted in North, 1960, v. 7, nos. 4-5, p. 19-23)

Describes Inuvik on the east channel of the Mackenzie Delta, built to replace Aklavik on the west channel. It is the administrative, economic, and education center for western arctic Canada. Living conditions, various economic and other projects are described.

SUTTON, E.L. See #412.

440 SWALES, DOROTHY E.

Species of insects and mites collected at Frobisher Bay, Baffin Island, 1964, and Inuvik, N.W.T., 1965, with brief ecological and geographical notes. (Annals of the Entomological Society of Quebec, v. 11, no. 3, Sept. 1966, p. 189-199)

Contains a list of insects collected at Inuvik and outlying districts, with brief ecological notes. Records geographic extensions of the range of some species.

441 SWEATMAN, G.K. 55284

Redescription of *Chorioptes texanus*, a parasitic mite from the ears of reindeer in the Canadian Arctic. (Canadian journal of zoology, Aug. 1958, v. 36, no. 4, p. 525-28, illus., table) 6 refs.

Parasite is redescribed in detail and with differential diagnosis from ears of semidomesticated reindeer. Incidence was high but the mites were virtually non-pathogenic.

- 442 TAYLOR, P.M. 76092

Dog-team and school-desk. London, Jenkins, 1960. 160 p., illus.

Describes author's 1953-1955 sojourn as a teacher in Aklavik, one year at the All Saint's Anglican Residential School, the other at the Federal Day School. The school system, the trapping business, daily life in and around the town, are dealt with.

443 TAYLOR, P.M. 83461

Reading, writin', and trappin'. (Saturday night, 1952, v. 68, no. 6, p. 18-a, 18-b)

Describes curriculum in the Anglican Mission School at Aklavik, Mackenzie District, which includes lessons in muskrat trapping as well as academic subjects.

444 TAYLOR, PHYLLIS.

Tales from the Delta. (Beaver, June 1953, p. 22-25, illus.)

Four stories (true and folk tales) from the Eskimo and Loucheux Indians of the Mackenzie Delta.

445 TAYLOR, T.G. 17486

A Mackenzie domesday: 1944. Arctic survey. 3. (Canadian journal of economics and political science, May 1945, v. 11, p. 189-233, 22 sketch maps) Reprinted in: Dawson, C.A., ed. The new North-West, 1947, pt. 2, p. 37-85.

Contains the detailed plans of about twenty settlements in the Mackenzie basin (including Aklavik).

446 TERASMAE, J. 62033

Palaeobotanical study of buried peat from the Mackenzie River Delta area, Northwest Territories. (Canadian journal of botany, 1959, v. 37, p. 715-717)

The peat in question accumulated during an interglacial interval. Various pollens were also examined.

- 455 **VYVYAN, C.C. (ROGERS), LADY.** 84265
- Arctic adventure. London, P. Owen, 1961. 172 p. plates, map.
- Recounts the journey of two English ladies to western Canada and Alaska in 1926. Gives observations and impressions of the countryside, the settlements, and the people.
- 456 **WADE, M.S.**
- Mackenzie of Canada. The life and adventures of Alexander Mackenzie, discoverer. Edinburgh and London, William Blackwood & Sons Ltd., 1927. 332 p.
- A history of the life and explorations of Mackenzie. Includes a brief review of early explorers and fur-traders and the formation of the North-West Company.
- 457 **WALDO, F.L.** 19068
- Down the Mackenzie through the great lone land. New York, Macmillan Co., 1923. xii p., 1 l., 251 p. 31 plates, maps on lining-papers.
- Description of scenery and people as observed during a passenger boat trip in 1922.
- 458 **WALKER, E.M.** 32823
- The Odonata of the Northern Insect Survey. (Canadian entomologist, Oct. 1951, v. 83, p. 269–78) 5 refs.
- Contains an account of the dragonflies collected by this project of the Canadian Depts. of Agriculture and of National Defence in 1947, 1949 and 1950. The material is dealt with according to regions, including Mackenzie District.
- 459 **WALKER, E.M.** 19077
- The subarctic Odonata of North America. (Canadian entomologist, May 1943, v. 75, p. 79-90, illus.)
- Annotated list, with localities (incl. Mackenzie District) of 38 species of dragonflies.

Paper read before the Society in November 1821, giving a brief account of the canoe trips on the lower Mackenzie in 1799, by Livingston and Sutherland, who met death at the hands of Eskimos, and in 1809 by Clarke, who reached the delta. Includes remarks on the Great Slave Lake region and on the customs of the Indians.

465 WERNERIAN NATURAL HISTORY SOCIETY, EDINBURGH. 19299

Notice regarding the map of Mackenzie's River by Mr. W.F. Wenzel of the Northwest Fur Company. (Its: Memoirs, 1821-22, pub. 1822, v. 4, p. 562-563, fold. map)

Contains brief notes on the Indians, rocks, and other physical features.

466 WHERRETT, G.J. 19381

Survey of health conditions and medical and hospital services in the Northwest Territories. Arctic survey. 1. (Canadian journal of economics and political science, Feb. 1945, v. 11, p. 49-60) Reprinted in Dawson, C.A., ed. The new North-West, 1947, pt. 8, p. 227-42.

Brief notes and tabular data on the population of the Mackenzie River Valley; the death rates; discussion of morbidity and mortality, medical officers, health services, health and mission schools, service in outlying centers, and the lack of services; with recommendations.

467 WHITTAKER, C.E. 19415

Arctic Eskimo, a record of fifty years' experience and observation among the Eskimo. London, Seeley, Service & Co., Ltd., [1937]. 5 p. 1., 17-259, [1] p. illus. 16 plates, fold. map.

Missionary's account of the natives of Mackenzie River and Coronation Gulf region where he ministered in the late 19th and early 20th centuries.

468 WILLIAMS, G.P. 62671

An analysis of snow-cover characteristics at Aklavik and Resolute, N.W.T. (Division of Building Research, Research Paper no. 40, National Research Council, Ottawa, 1957. 12 p.)

Reports snow cover characteristics as studied in semi-sheltered test areas at these two stations, comparisons between the two areas were made and showed considerable difference in snow properties.

469 WILLIAMS, G.P. 76561

Evaporation from water, snow, and ice. (In: Canada. Dept. of Northern Affairs and National Resources, Water Resources Branch, Proceedings of Hydrology Symposium no. 2, evaporation. 1961, p. 31-54, graphs) 19 refs.

Outlines the basic theoretical differences between evaporation from these three types of surface. Comparative values showing the seasonal variation of energy available from short-wave radiation are estimated for Ottawa and Aklavik.

470 WILLIAMS, G.P.

Ice-dusting experiments to increase the rate of melting ice. Canada. National Research Council, Division of Building Research. Technical Paper no. 239. Ottawa, 1967. 21 p. illus.

Presents conclusions as to the value of ice dusting to speed melting of ice, based in part on experiments conducted at Inuvik in 1964 and 1965.

471 WOLFORTH, JOHN R.

The Mackenzie Delta – its economic base and development. A preliminary study. Ottawa, Dept. of Indian Affairs and Northern Development, Northern Co-ordination and Research Centre, 1966. 85 p. (Mackenzie Delta Research Project, MDRP 1)

Analysis of the resource base of the Mackenzie Delta. The author's conclusion is that it is insufficient to support the present population. Includes suggestions for supplying the needs of settlements from local resources.

472 WONDERS, W.G. 69307

Post-war settlement trends in the Mackenzie Valley area. (Geografiska annaler, 1960. v. 42, no. 4, p. 333-38, maps) 10 refs. Presented at the Siljan Symposium, International Geographical Congress, 1960.

Settlement in this area, chiefly connected with the fur trade and mineral production, has been encouraged by improved transportation since World War II. Growth of Inuvik is noted.

- 473 WOODS, K.B., and R.F. LEGGET. 69313

Transportation and economic potential in the Arctic. (Traffic quarterly, Oct. 1960, v. 14, no. 4, p. 435-58, illus., map) 15 refs.

Describes the physical geography of the Canadian North and discusses the interrelation of transportation and development. The development and potential of transportation routes such as the Mackenzie River are described.

- 474 WOOTTEN, D.T.F.

The coming of Christianity to the Kutchin. Unpublished thesis, St. Augustine's College, Canterbury, 1966-67. 76 p.

Includes chapters on the early explorers, the first Anglican missionaries, and Archdeacon Robert McDonald, who spent several years among the Kutchin.

- 475 WRIGHT, S. WALTER.

Settlement planning based on functional analysis. Thesis, Master of Applied Science, University of Waterloo, April 1967. 254 p. 2 appendices.

The settlement of Inuvik, in the Mackenzie Delta, was chosen to demonstrate the author's proposed planning method based on the systems approach to problem solving.

WRIGHT, S.W. See #120.

- 476 ZASLOW, MORRIS.

The development of the Mackenzie Basin, 1920-1940. Toronto, University of Toronto, 1957. Ph.D. Thesis. 2 vols. 790 p. 11 maps.

Examines the development of transportation and communication, industry, and social institutions in the Mackenzie Basin from 1920-1940. Includes 20 page bibliography.

477

ZASLOW, MORRIS.

A history of transportation and development of the Mackenzie Basin from 1871 to 1921. (Unpublished M.A. Thesis, University of Toronto, 1948)

Discusses the economic development of the Mackenzie Basin from 1871-1921. Among the main themes discussed are: economic development as a manifestation of rivalry between the expanding hinterlands of Edmonton and Vancouver, the change from a predominantly fur trading economy to one including farming and mining, and railroad building in northern Alberta and British Columbia. Deals mainly with the region south of 60°, but contains some significant references to Herschel Island and the Mackenzie Delta.

478

ZIMMERMANN, K.

33096

Zur Kenntnis von Microtus oeconomus (Pallas). (Archiv für Naturgeschichte, 1942. Neue Folge, Bd. 11, Heft 2, p. 174-97, illus.) 50 refs. Title tr.: A contribution to the knowledge of Microtus oeconomus (Pallas).

Contains a systematic study of 24 subspecies of a vole, Microtus oeconomus, with critical notes, data on distribution, sketch map, and notes on ecology, etc. Includes some species native to Mackenzie District.

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